SRI BALAJI VIDYAPEETH

DEEMED UNIVERSITY

DECLARED UNDER SECTION 3 OF UGC ACT 1956

EXCELLENCE IN HEALTH PROFESSIONS EDUCATION, RESEARCH AND CLINICAL CARE

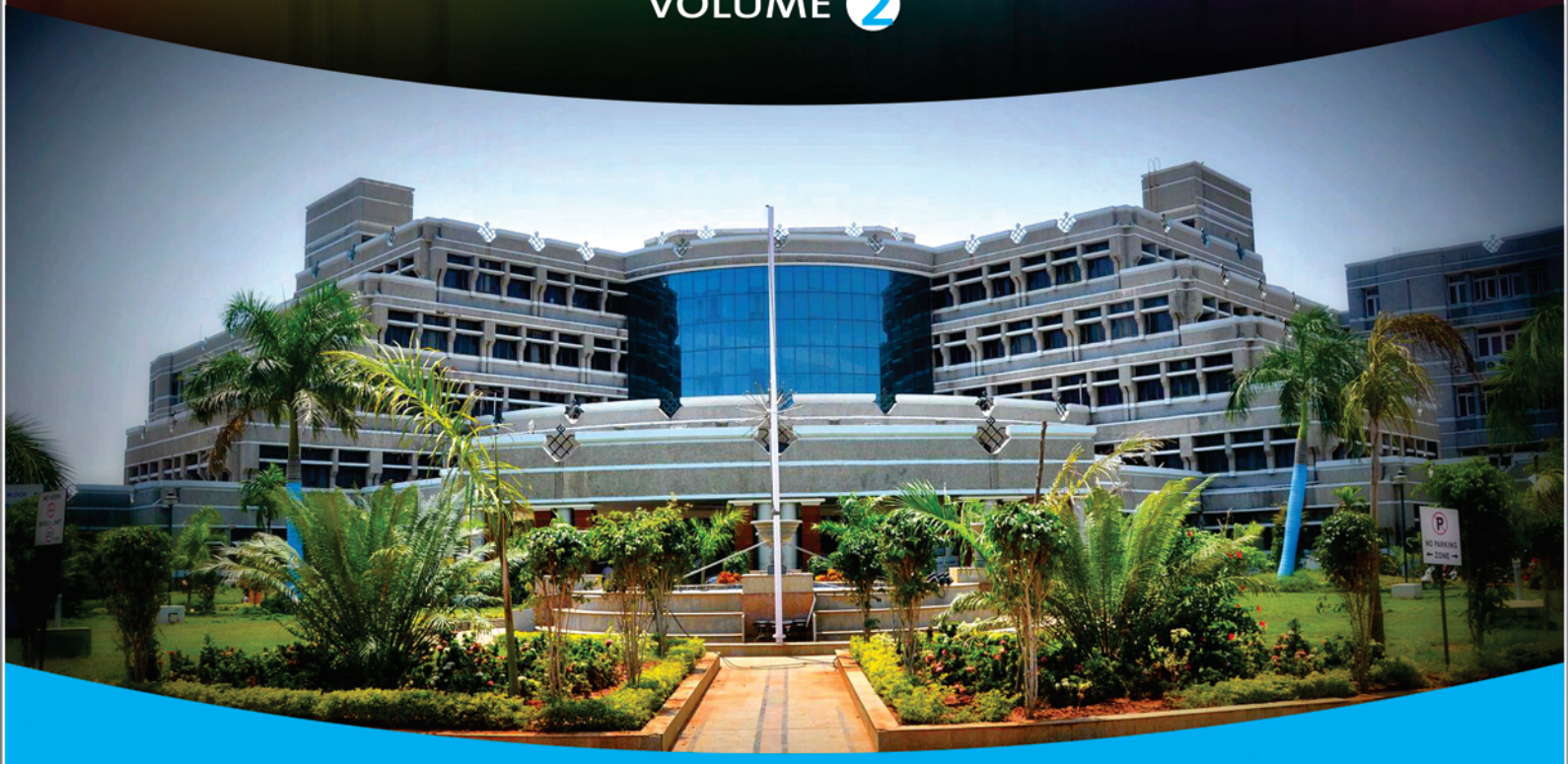
SELF STUDY REPORT CYCLE ONE

SUBMITTED TO

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

SEPTEMBER 2015

VOLUME 2



PONDICHERRY

SRI BALAJI VIDYAPEETH
Deemed university
Self Study Report - Cycle (1)
Submitted to NAAC for Assessment and Accreditation

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Volume – I
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Volume –III
Consists of Departmental Evaluative reports of KGNC, IGIDS and SSSMCRI

Department of Anatomy

1. ***Name of the Department*** : Anatomy

2. ***Year of Establishment*** : 2001

3. ***Is the Department part of a College/Faculty of the University****?*

Yes, the Department is a part of Mahatma Gandhi Medical College & Research Institute, a Constituent Unit of Sri Balaji Vidyapeeth, Pondicherry, under the Faculty of Medicine.

4. ***Names of Programs Offered***
The Department offers the following programmes*:*

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Annual	2001	150(2001-2013) 250(2014onwards)	250	1yr
PG Degree	MD	Annual	2009	4	0	3yrs
Doctoral	Ph.D	Annual	2010	4	3	3yrs

5. ***Interdisciplinary Programs and Departments involved***

Undergraduate programmes being interdisciplinary in nature, all the departments of the institution are involved.
The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1	MD Anatomy	Surgery, Orthopedics, Pediatric Surgery and Radio diagnosis, Cytogenetic division	Nil

Nature of Involvement:
The students are posted for a period of one month to these departments for upgrading the knowledge of clinical Anatomy, Applied embryology and Radio diagnosis.

6. ***Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc***. Nil

7. ***Details of Programs discontinued, if any, with reasons.*** Nil

8. Examination System: *Annual*

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
MDS	Dental	IGIDS
M.Sc	Biochemistry	
M.Sc	Microbiology	
FUGRA	Anaesthesiology	
B.Sc	Radiology	
BDS	Dental	IGIDS
B.Sc Nursing		Kasturba Gandhi Nursing College

Nature of Involvement: Teaching and evaluation of anatomical knowledge as per curriculum requirement of SBV University.

10. Number of Teaching posts sanctioned, filled and actual

Designation	Sanctioned (as per MCI/DCI/INC)	Filled /Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	3	1	4
Associate Professor / Reader	3	1	0	1
Assistant Professor/Lecturers	4	1	7	8
Subtotal (1)	8	5	8	13
Demonstrator/Tutor	6	0	1	1
Subtotal (2)	6	0	1	1
Grand Total (1+2)	14	5	9	14

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance.

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Years of Teaching Experience		No. of PG Students at SBV	
				Total	At SBV	Guiding	Guided
1	Dr.Rajasekar .S	MS	Prof. & HOD	32	<1	-	-
2	Dr.Arun chandra	MS	Professor	42	7	-	3

	Singh.S						
3	Dr.Anbalagan.J	PhD	Professor	40	7	-	2
4	Dr.Chandra Philip.X	MS	Professor	9	2	-	-
5	Dr.Mugunthan.N	MS	Asso.Prof	6	6	-	2
6	Dr.Ushakannan	MD	Asst.Prof	3	3	-	-
7	Dr.Sadeesh.T	MD	Asst.Prof	3	3	-	-
8	Dr.Meera.K	MD	Asst.Prof	2	2	-	-
9	Dr.Prabavathy.G	MD	Asst.Prof	2	2	-	-
10	Dr.Arthi.G	MD	Asst.Prof	1	1	-	-
11	Dr.Praveena.R	MD	Asst.Prof	<1	<1	-	-
12	Dr.Vani.P.C	MD	Asst.Prof	<1	<1		
13	Dr.Anitha Nancy	MD	Asst.Prof	2	<1		

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities):***

Sl.NO	Name of the Faculty as Ph.D Guide	No. of Ph.D Students Registered at SBV under the Faculty		No. of Ph.D Students Registered at other Universities under the Faculty	
		Guiding	Guided	Guiding	Guided
1	Dr.Arunchandra Singh	1	-	-	-
2	Dr.Anbalagan.J	2	-	-	1

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl. NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Years of Teaching Experience
1	Dr.Sudha Rao	MS	Emeritus	Anatomy	43

13. Percentage of classes taken by temporary faculty – program-wise information: Nil

14. Program-wise Teacher Student Ratio*(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

Programme	Teacher Student Ratio
UG	1:18
MD	1:1
Ph.D	1: 1

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Technician (Dissection Hall)	1	1	0	1
	Technician (Histology Lab)		1	0	1
	Clerk cum Computer operator	1	0	1	1
	Dissection Hall attender	4	3	0	3
	Sweeper	2	0	2	2
Total		8	5	3	8

16. Research thrust areas as recognized by major funding agencies and SBV

i. Effect of cell phone radiation in animal model during prenatal and postnatal growth.
ii. Efficacy of herbal medicine on induced diabetic animal model
iii. Anatomy of inguinal canal in fetus and adult and patient with inguinal hernia
iv. Branching pattern of coronary artery in fetus and adult cadaveric heart
v. Chromosomal aberrations in smokers.
vi. Sequential structural changes in ductus arteriosus in different gestational period.
vii. Structural changes in placenta of hypertensive patients
viii. Foot index in different age group
ix. Variation pattern in formation and distribution of lumbosacral plexus
x. Cytogenetic study on ambiguous genitalia, congenital anomalies, recurrent abortions.
xi. Study of blood supply to upper Abdominal Organs.
xii. Effectiveness of Assessment tools in medical education.

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

14 Numbers of Faculty of the department are involved in 6 Research Projects.

Abstract of Projects:

No. of Projects from	Number of	Number of	Total

	Ongoing Projects	Completed Projects	
Department / Self Funded	6	26	32
Total	6	26	32

Details of the Projects:

a. Ongoing Projects: *6*
b. Completed Projects: *32*

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials): NIL

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self/Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			For details refer to Qn.Nos
		Ongoing	Completed	Total	
1.	Faculty Projects	6	33	39	17
2.	Students Projects	-	1	1	28
	Total	6	34	40	

20. A. Research facility / Centre available to carryout research :-

- In the department**:**Separate research laboratory with adequate infrastructure to carry out experimental research study,
  Central animal house for carrying experimental work in animal model
  Cytogenetic laboratory for chromosomal study
- In other departments **:**
  Biochemical analysis department of Biochemistry
  Special stains –department of Pathology
- In other college:
  DNA comet assay study – Sri Lakshminaryana Institute of Medical Sciences Pondicherry
  SDS-PAGE, School of Environmental Sciences, Bharathidasan University, Tiruchirapalli, TamilNadu.
- At central level:
  CIDRF (Mahatma Gandhi Medical College & Research Institute)

B. Research facility / centre with: (recognized by national and international agencies for providing assistance for research)

- Central interdisciplinary research facility

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies /SBV:

Central interdisciplinary research facility

22. A. Research Publications:

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	22	27
International Journals	4	21
State Journals	10	-
Total	36	48

B. Monographs: Nil

C. Chapters in Books: Nil

D.Books edited: Nil

E. Books Published with ISBN with details of publishers:

Total 1 Book was published by Dr J.Anbalagan and the same was revised in 2015.

Sl. No.	Name of the Faculty	Name of the Book / ISBN No.	Year and edition	Name and Place of Publisher
1	SK.Ghosh and J.Anbalagan	Essentials of Histology Text book & Atlas	1998	Current Book International Calcutta-1998
2	SK.Ghosh and J.Anbalagan	Revised edition in Press	2015	Jaypee Brothers

F. Number of Research articles / publications listed in International Database

	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of Publications in Databases	1	3	8	5	39	4
Citation Index – Range / Average						
Scopus	1	1	2	2	5	-
PubMed	1	-	-	1	-	-
WOS		1	1			
Impact factor(Range / Average)	0-1					

23. Details of Patents and income generated:

- The PG's / Faculty from other institution are trained to set up museum / specimen preparation.
- In collaboration with other institution plastination of the specimens are prepared.

- Embalming of unclaimed / donated bodies and training of PG's Anatomy / Forensic Medicine.
- Plastination of Bronchial tree model.
- Preparation of 3D models.
- Interactive sessions with the NGO are for creating awareness to the family for the purpose of Voluntary body donation.

24. Areas of Consultancy and income generated

a. **The areas of consultancy are as follows:** Genetic counseling

b. **The faculty of the department offer paid consultancy in the following areas:**

Sl.No.	Name of the Faculty	Type of Consultancy	Income Generated
1	Mrs Uma AN	Genetic counseling	NIL

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad: NIL

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify)(**N**: National; **I**: International)

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards	
				N	I
1	Dr.Raja sekar.S.S	Association of Anatomist of Tamil Nadu (Life Member) IMA (Life Member) SO CA (Life Member) IMSA (Fellow) FAIMER			
2	Dr.Arun chandra Singh.S	ASI Joint Secretary IMA (Life Member) North East Council (Member)			
3	Dr.SudhaRao	ASI (Life Member) Association of Anatomist of Tamil Nadu (Life Member)			

		SBV(Board of Management)		JMGIMS	
4	Dr.Anbalagan.J	Member of Board of Studies Nagpur University Member of Board of Studies Madras University Member of PG curriculum planning Maharashtra University of Health Sciences. University ASI Vice President, Executive member, Life member.			
5	Dr.Mugunthan. N	ASI –Life Member Association of Anatomist of Tamil Nadu –Life Member IMA – Life Member SOCA –Life Member	Membership in Royal Society of Medicos Fellowship in All India Medicos Society		
6	Mrs.MaryHydrinaD'Silva	Anatomist of Tamil Nadu – Life Member			
7	Dr.Ushakannan	Anatomist of Tamil Nadu – Life Member SOCA –Life Member			
8	Dr.Sadeesh.T	SOCA –Life Member			
9	Dr.Meera.K	Anatomist of Tamil Nadu – Life Member SOCA –Life Member			
10	Dr.Prabavathy. G	Anatomist of Tamil Nadu – Life Member SOCA –Life Member			

12	Dr.Arthi.G	Anatomist of Tamil Nadu – Life Member			
13	Dr.Praveena	SOCA –Life Member			
14	Dr.Vani	SOCA –Life Member			
15	Dr.Anitha Nancy	Anatomist of Tamil Nadu – Life Member			
13	Dr.Jayanthi.N	SOCA –Life Member			

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended 40 No. of FDPs.

  (4 International; 11 National; 25 State /University)
- On an average, each faculty attends 40/14=2.85 FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	
1.	Workshops	1	2	3	6
2.	Seminars/ Symposia/ Conferences	3	7	1	11
3.	CMEs/CDEs/MET/DET/ Clinical meets	16	2		18
4.	Special Lectures	5			5
	TOTAL	25	11	4	40

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations.UG students is encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Sl. No.	Projects	Completed	Total

1.	UG Students STS ICMR	**1**	**1**
N 2	No. of PG Dissertations based on Research Work	**7**	**7**
u 3.	Any other Projects done by PG Students other than Dissertations	**9**	**9**
m	Total	**17**	**17**
b			

- **Details of Students STS ICMR Projects**:

Sl.No	Name of the Student	Name of the Guide	Year	Title of the Project
1.	Mr.Raj	Mrs.Uma Dr.J.Anbalagan	2010	A cytogeneic study: Frequency of acrocentric associations seen in smokers & Non-Smokers.

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post-Doctoral Fellows / Students

Awards &Recognitions

Sl. No.	Received by	Number of Awards at			
		State/ University Level	National Level	International Level	Total
1.	Faculty	12	2	2	16
2.	Students UG/PG	4	1	-	5

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award /Recognition	State/University /National / International	Year and Date
1.	Dr.N.Mugunthan	Dr.M M Cooper Memorial award for Teachers (Best Paper Award)	State	12/9/2009
		Dr.M M Cooper Memorial award for Teachers (Best Paper Award)	State	25 /9/2010
		Annual Best case series award for the year 2013-14	SBV University	30/5/14
2.	Mrs. Mary HydrinaD'silva	Best paper Award	State	12/9/2009
		Dr.M M Cooper Memorial award for Teachers (Best	State	5/10/2013

		Paper Award)		
		Annual Best case series award for the year 2014-15	University	2014-15
3.	Mrs. A.N. Uma	Best poster	International	7/3/2014
		E - Best poster	International	30.11.2012
		Best presentation	National	6.1.2013
		Best paper	National	6.1.2013
		Dr.M M Cooper Memorial award for Teachers (Best Paper Award)	State	Sept 2011(2), 2012 (2),2013,
4.	Dr.Sadeesh.T	1st Prize in Poster on Cancer day	University	8/2/2011

30. Seminars/ Conferences/Workshops organized and the source of funding

Total Organized: 1 National; 1 College.

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N/I/U/C	No. of Resource Persons I/E
1.	CME/Clinical meeting	22 Feb 2010	120	C	N	4- E
1.	CME/Clinical meeting	22 Jun 2015	380	C	U	4- E

N: National; I: International; U: University; C; College, I: Internal; E: External

31. Code of Ethics for Research followed by the Departments

Institutional human ethics committee

Institutional animal ethics committee

32. Student Profile program-wise - Students enrolled and performance:

a. PG Students

Enrollment

Name of the Course	Applications Received, Students appeared and passed in CET					
	Year	No. of	No. of	Students	% of Pass	Students

(Refer to Question no. 4)		Applications	Students appeared for CET	Passing in CET	in CET	Admitted M + F = T
PG Degree (MD/MS/ Diploma)	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
MBBS	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20+35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

b.Performance in University Examinations:

Name of the Course *(Refer to Question no. 4)*	Number of students completed PG Studies and Pass percentage during the past Five Academic Years				
	Academic Year	Candidates Appeared	Candidates Passed	Pass %	Remarks (Gold Medalist, if any)
MD Anatomy	2011-2012	3	3	100	
	2012-2013	2	2	100	
	2013-2014	1	1	100	
	2014-2015	1	1	100	

Performance in University examinations conducted by SBV:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		Candidates Appeared	Candidates Passed	Pass %
MBBS	2009-2010	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

Name of the Course *(Refer to Question no. 4)*	Number of students completed PG Studies and Pass percentage during the past Five Academic Years				
	Academic Year	**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
	2012	3	3	100	
PhD	2013	2	2	100	
	2014	-	-	-	
	2015	2	0	0	

33. Diversity of Students:

a. PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry			
				From TN		Other States	
PG Degree (MD /MS)	2009-2010	6	12.5	29	56.8	16	33.3
	2010-2011	7	14	28	56	15	30
	2011-2012	8	12.5	28	43.8	28	43.8
	2012-2013	7	9.6	36	49.3	30	41.1
	2013-2014	7	10.8	32	49.2	26	40
	2014-2015	5	7.8	30	46.9	28	44.4
PG (M.Sc Medical	2009-2010	3	42.9	4	57.1	-	-

Bio chemistry / Micro biology)	2010-2011	6	60	2	20	2	20
	2011-2012	6	75	2	25	-	-
	2012-2013	2	40	2	40	1	20
	2013-2014	1	50	1	50	-	-
	2014-2015	1	100	-	-	-	-

b. UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of students from within Pondicherry**		**No. and % of students from Outside Pondicherry**				**No. and % of Students from Other Countries (Outside India)**	
				From TN		**Other States**			
UG Degree (MBBS)	2009-2010	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations /any other? Give details category-wise. - Nil

35. Student Progression

Student progression	No. & % against enrolled
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	 a) 0 b) 2
Employed PG and Super SpecialtyStudentsof the Department at a) SBV b) at other Colleges & Universities	a) 4 b) 3

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University	2	4
from other Universities within the State	2	6
from Universities from other States	3	3

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.CH./ FRCS/FRCP/MRCP/ any other higher degree after PG.

A. Before joining SBV : Dr.Rajasekar S.S - FAIMER
B. Before joining SBV: 1 – Dr.J.Anbalagan Ph.D
C. After joining SBV (2008 – 2015): 1 – Dr.Mugunthan DNB (Anatomy)

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
1.	No. of Books	2031	196
2.	No. of Journals	N-3, IN-2	N – 3, IN-3
3.	No. of e-Journals	2792	-
4.	P.G. Dissertations	349	7

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	2	2
2.	Central facility	20	20

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms	0	2
2.	Seminar Halls	1	0
3.	Class rooms with ICT facility	0	2
4.	Seminar Hall with ICT facility	2	0

Students' Laboratories at the Department	:	One dissection hall & One Histology Lab
Research Laboratories at the Department	:	One
Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	:	Wet specimen – 151 Models – 160 Charts – 160
Sharing or Usage of the resources of other Departments	:	Radiology, Anesthesiology, Biochemistry, Pathology, Microbiology & other clinical Departments

D. List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests.

i. Trinocular microscope with digital camera- Olympus(1) &Adelta(3)
ii. Binocular - 3
iii. Monocular research microscope - 175
iv. Stereoscopic dissecting microscope - 1
v. Incubator - 1
vi. Egg incubator - 1
vii. Hot air oven - 1
viii. Rotary microtome -3
ix. Sledge microtome - 1
x. Digital balance -1

39. List of Doctoral, Post-Doctoral Students and Research Associates:

From	Doctoral Student	Total
Host Institution/ University	3	3

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*
- *Select Post Graduate Students also receive Financial Assistance. The details are as under*

Sl. No.	Type of Financial Assistance	Course/ Programme	Year	No. of Students Benefited	Amount of Assistance
1.	Honorarium	MD Anatomy	2011	2	Rs.5000/m/ Student

B. Interns getting financial assistance: All Interns get assistance of Rs.3, 000/-per month as per norms. Yes

C. Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies.

Management provides financial assistance to certain students.

41. Was any need assessment exercise undertaken before the development of new program(s)?

Departmental meetings and discussions help in deciding need assessment for developing new program.

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Feedback be analyzed and discussed in faculty meet and decision taken to solve the problem

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- Mentor - Mentee programme
- Low achievers students are identified, counseled and extra classes in the evening hours are conducted to clear their problem and regular monitoring on their progress of the subjects
- Feedback will be taken from the students and it will be analyzed and discussed in the faculty meet and decision will be taken to solve the problem

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback will be taken from the Alumni and employers and it will be Analyzed, discussed and issues, if any, to be rectified.

43. List the distinguished alumni of the department (maximum 10)

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1	Dr.Ushakannan	MGMC&RI	Asst.Prof	Pondicherry
2	Dr.Sadeesh	MGMC&RI	Asst.Prof	Pondicherry
3	Dr.K.V.K. Sundaravadanam	KIMS	Asst.Prof	Kancheepuram
4	Dr.Meera	MGMC&RI	Asst.Prof	Pondicherry
5	Dr. Shiva sreeRanga	SIMC	Asst.Prof	Kerala
6	Dr.Arthi	MGMC&RI	Asst.Prof	Pondicherry

7	Dr.Vedha	VIMS	Asst.Prof	Madurai
8	Dr.Rahe	MGMC&RI	Asst.Prof	Pondicherry
9	Dr.Prabavathy	MGMC&RI	Asst.Prof	Pondicherry

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

1. Number of SEPs conducted during the last Five Years is 2
Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	CMEs/CDEs	22/2/2010 22/6/2015	MGMC&RI	4 4	-

2. List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.
Visiting faculty from Dundee University- UK
Visiting faculty from Glasgow University-UK

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching

Sl.No	For UG	For PG
1.	Power point	Power point, Seminars for PG
2.	Model Demonstration	Model Demonstration by Professors
3.	Audio Visual Presentation	Audio Visual Presentation

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Monthly unit test are analyzed, periodically and the students are divided into low achievers, average and above average groups, this will be discussed in the departmental meeting twice the month. Low achievers given special coaching weakly twice and written test will be conducted to evaluate their progress and proper counseling is done if necessary.

47. Highlight the participation of students and faculty in extension activities.

- ***Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.***

Delivered awareness program in and around Pondicherry and Cuddalore district for voluntary body donation

a. Voluntary Body donation registry (MOKSHA) – 123 registered
b. Body donated- 38

Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students

- The department is creating awareness amongst the public to motivate them to register for VBD in collaboration with local NGO's.
- Anti Tobacco rally to give awareness to the public
- Clean India (Swatch Bharat) mission

48. Give details of "beyond syllabus scholarly activities" of the department.

Nil

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are approved by Statutory regulatory bodies –MCI /DCI/ INC.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Special lectures to PGs of other department (Anaesthesiology, ENT, Radiology Orthopaedics, Forensic Medicine, General Surgery & MDS).
- Medical Education Programme.
- Basic anatomical / Clinical skills-the students are trained in intramuscular injection, resuscitation, and various sites of peripheral arterial pulsation using mannequins.
- Integrated teaching – Horizontal (Discussion of case series)

  -Vertical – Exposure to operating room, showing live anatomy in endoscopy room, Bronchoscopy and common surgical procedures

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Senior experienced faculty with dedicated junior faculty
- Team work with good rapport with other Department and Administrations
- Good environment for teaching and research**.**
- Horizontal and vertical Integrated teaching

- Small group teaching with clinical cases

Weaknesses

- Declining interest among medical graduates to take up Anatomy as A career
- Less job opportunity for PG Anatomy graduates
- Less exposure for Anatomist in clinical practice
- Research field area in anatomy is restricted
- Lack of junior faculty /Senior resident

Opportunities

- Inter departmental teaching
- Learning with clinical application – skill lab facilities
- Research facility with interdisciplinary areas
- Scope for Doctor Registration
- Opportunity to learn plastination, museum techniques. embalming

Challenges

- 1 ½ yrs is reduced to less than 1 year period
- Time management
- No Postgraduate admission
- Language barrier – transitional change
- Multi-disciplinary courses by SBV – teaching module differs
- Radical changes in curriculum to suit the present generation

***52. Future Plans of the Department* :**

Future vision

- *Academics:*
    - With the inception of Sri BalajiVidyapeeth, the Department of Anatomy is planning to start M.ScAnatomy and Fellowship in Clinical embryologyto cope up with the shortage in the teaching faculty and take up basic research activity which is declining nowadays.
    - The department is also planning to upgrade the Cytogenetic division for Tissue Culture, Cord blood cell culture and to conduct field study on the genetic basis of infertility in and around Puducherry.
- *Extension :*
    - Proposal to establish a Immunohistochemistry laboratory
    - Development and expansion of Anatomy museum with 3D models and plastinization of specimens,e-museum
- *Infrastructure (Physical & Learning Resources)*

- Unique collection of departmental CD in the anatomy subject as teaching module.
- Dissection hall bones are displayed in a unique way for easy access to the students for self-study.
- Faculty regularly attends regional and national conferences for updating the skill in teaching and research.

53.

a. Salient and Unique Features of the Department

- Mentor mentee: Small group students – staff
- Small group teaching / integrated.
- Students are exposed to clinical skill by posting basic skill lab for intramuscular injection, reflex elicitation and venous puncture.

b. Innovations of the Department

- First year MBBS students are given basic life support (BLS)training and transport in association with skill lab

c. Best Practices

- Online MCQ test and assignment were given to the students
- Quiz programme is conducted every year

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Department of Physiology

1. ***Name of the Department*** : **Physiology**

2. ***Year of Establishment*** : July 2001

3. ***Is the Department part of a College / Faculty of the University?***

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. ***Names of Programs Offered*** *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*
The Department offers the following programmes:

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Annual	2001	250	250	4 ½ + 1 Years
PG Degree	MD (Physiology)	Annual	2008	4	0	3 years
Doctoral	PhD	Annual	2010	2	2	

5. ***Interdisciplinary Programs and Departments involved***

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
	MD (Physiology)	Center for Yoga, Therapy, Education & Research (CYTER) Centre for Music Therapy	Cardiology Department (JIPMER)

Nature of Involvement:

Learning applied aspects of physiology by direct exposure to clinical equipments and practices.

Learning recent advances made in cardiology.

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.
Nil

7. Details of Programs discontinued, if any, with reasons.
Nil

8. Examination System : Annual / Semester / Trimester / Choice Based Credit System
As per MCI norms.

9. Participation of the Department in the Courses offered by other Departments
The Department is involved in the teaching of the courses offered by the following other departments:

Sl. No.	Name of the course	Offered by	
		Within the Institute	of Other Institutes
1.	Bachelor of Dental Sciences (BDS)		IGIDS
2.	PhD	Collaboration with Dept. of Pharmacology, Pathology & CYTER	
3.	BSc Nursing		KGNC
4.	BSc Radiology	Dept. of Radiology	
5.	MSc Biochemistry	Dept. of Biochemistry	
6.	MSc Microbiology	Dept. of Microbiology	
7.	PG Diploma Music Therapy	Centre of music therapy	
8.	PG Diploma in Yoga Therapy	Center for Yoga Therapy, Education & Research (CYTER)	

Nature of Involvement:

Teaching physiological basis of these subjects.
Interdisciplinary research

10. Number of Teaching posts sanctioned, filled and actual

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	3	0	3

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	3	0	3
Associate Professor / Reader	3	1	0	1
Assistant Professor / Lecturers	4	2	4	6
Subtotal (1)	8	6	4	10
Demonstrator / Tutor	6	2	-	2
Subtotal (2)	6	2	0	2
Grand Total (1+2)	14	8	4	12

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidanc

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr. Madan mohan	MBBS, MD (Physiology) MSc (Yoga) DSc (Yoga)	Professor and HOD	Physiology Yoga	45	3	2	2
2	Dr.K Henri Balraj	MBBS, MD Physiology	Professor	Physiology	24	14	--	3
3	Dr. K. Jaiganesh	MBBS, MD Physiology	Professor	Physiology	12	9	--	1

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
4	Dr.Nikhilesh Singh	MBBS, MD Physiology	Assistant Professor	Physiology	7	2	--	--
5	Dr. Suchitra Parkhad	MBBS, MD Physiology	Assistant Professor	Physiology	8	1	--	--
6	Dr. Jeneth Berlin Raj	MBBS, MD Physiology	Assistant Professor	Physiology	8	1	--	--
7	Dr. Richa Gupta	MBBS, MD Physiology	Assistant Professor	Physiology	6	1	--	--
8	Dr. Sobana	MBBS, MD Physiology	Assistant Professor	Physiology	6	6	--	--
9	Dr. Ramya	MBBS, MD Physiology	Assistant Professor	Physiology	6	6	--	--
10	Mr. Vasanthan	M. Sc Physiology	Assistant Professor	Physiology	5	1	--	--

b. Faculty of the Department as Ph.D Guides: (at SBV & other Universities):

Sl.NO	Name of the Faculty as Ph.D Guide	No. of Ph.D Students Registered at SBV under the Faculty		No. of Ph.D Students Registered at other Universities under the Faculty	
		Guiding	Guided	Guiding	Guided
1.	Dr. Madanmohan	2	--	--	4

Dr Madanmohan had previously guided at JIPMER: 4

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl.NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Years of Teaching Experience

Sl.NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Years of Teaching Experience
1.	Dr ES Prakash	MD	Associate Professor & Vice Dean, Mercer University, Georgia, USA	Cardiovascular Physiology	10 years

13. Percentage of classes taken by temporary faculty – program-wise information

NA

14. Program-wise Teacher Student Ratio *(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

Programme	Teacher Student Ratio
UG (MBBS)	1:21
PG Degree	1:1
PG Diploma	1:2
Ph. D	1:2

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Lab technician	2	1	2	3
Administrative Staff	Clerk cum computer operator	1	1		1
Total		3	2	2	4

16. Research thrust areas as recognized by major funding agencies and SBV

(Based on Research Projects / Dissertation and Publications):

a) Cardiovascular physiology
b) Autonomic functions
c) Neurology
d) Psychology
e) Stress
f) Endocrinology and metabolism
g) Immunology
h) Respiratory physiology
i) Yoga
j) Music therapy
k) Medical education

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

Faculty of the department are involved in 14 ongoing Research Projects and 36 completed projects (Total: 50) generating the resource of 3.0 Lakhs

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs*
University Funded / Sponsored	14	36	50	3 Lakhs

a. Ongoing Projects: 14
b. Completed Projects: (since 2011)-36

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials): Nil

19.Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned*	For details refer to Qn.Nos
		Ongoing	Completed	Total		
1.	Faculty Projects	14	36	50	3 Lakhs	17
2.	Students Projects	0	7	7	35 thousands	28
	Total	14	43	57	3.35 Lakhs	--

*The total grant received represents approximate value and includes the cost of consumable and non consumable items bought for UG/PG research laboratories & CIDRF

20. A.Research facility / Centre available to carry out research :-

- *In the department (details of facilities in brief)* **:**
  Assessment of autonomic functions by heart rate variability (HRV),
  Non-invasive automated BP recorder

Phonocardiograph
Spiro meter
Galvanic Skin Response (GSR)
Two channel electroencephalograph (EEG)
Two channel surface EMG
Bicycle ergo graph for measuring mechanical efficiency.

- In other departments (details of facilities used by our department) **:**
  Yogic practices (details in the list of ongoing & completed projects in collaboration with CYTER)
  Music therapy (details in the list of ongoing & completed projects in collaboration with center for music therapy)
  Microbial culture and sensitivity,

- In other college (give details of facilities used by our department) ***:*** Nil

- At central level (give details of facilities used by our department) **:**

  Estimation of biomarkers
  Stem cell research (for details see the list of STS projects)

B.Research facility / centre with: (recognised by national and international agencies for providing assistance for research)

Central Interdisciplinary Research Facility (CIDRF)

21. Special research laboratories created by SBV:

Central Interdisciplinary Research Facility (CIDRF)

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	85	20
International Journals	21	38
Total	106	58

B. Monographs:1

Sl. No.	Name of the Faculty	Topic of Monograph	Print *or* Online	Year
1	Dr. Madanmoham	Role of Yoga in Prevention and Management of Diabetes Mellitus: A Compilation for Educational Purposes	Print	2011

Dr Madanmohan had edited 6 proceedings of workshop/CME/Symposium & has 6 compilations in yoga

C. ***Number of Research articles / publications listed in International Database***
Total Number of publications since 2009: 81

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of Publications in Databases	1	6	5	15	30	16	8
Citation Index – Range	0 – 9						
Scopus	16 (out of 81)						
PubMed	25 (out of 81)						
Google Scholar	40 (out of 81)						
Journal Analytics (Range)							
SNIP	0 – 3						
SJR	0 – 2.5						
Impact factor (Range)	0 -2.5						
h-index (Range)	0 – 9						

Number of publication includes all the publications (before & after joining) SBV since 09 Citation index, SNIP, SJR, Impact factor, h-index represents the range (minimum & maximum values) of 81 publications

23. Details of Patents and income generated : Nil

24. Areas of Consultancy and income generated

***a.The areas of consultancy are as follow*:**

Yoga as an adjunct to medical therapy
Role of yoga in rehabilitation
Physiological studies of yoga & meditation
Music as adjuvant to medical therapy
Music as a tool of relaxation in stressed individuals.

***b. The faculty of the department offer paid consultancy in the following* areas:** Nil

c. *The faculty of the department offer honorary / reciprocator consultancy in the areas:* Mentioned Above.

25.Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad: Nil

26.Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Committees	Editorial Boards	
			N	I
1.	Dr Madanmohan	Board of studies-allied medical sciences, JIPMER	IJPP	--
	Total	1	1	--

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended 76 FDPs.
  (5 International; 7 National; 64 State /University)
- On an average, each faculty attends 2-3 FDPs in a year, apart from participation in all the FDPs of SAF & MET/MEU

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	
1.	Workshops	17	1	--	18
2.	Seminars / Symposia / Conferences	14	6	5	25
3.	CMEs/CDEs/MET/DET/Clinical meets	22	--	--	22
4.	Special Lectures*	11	--	--	11
	TOTAL	64	7	5	76

*Special Lectures includes the lectures conducted by SAF in previous 1 year

Faculty attend all the special lectures conducted by Scientific & Academic Forum (SAF)
Note: SBV gives incentives (TA/DA /Duty leave) to faculty for FDPs.

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	0	7	7
2.	No. of PG Dissertations based on Research Work	0	9	9
	Total	0	16	16

- *percentage of students who have taken up in-house projects including Inter-departmental projects :* 100 % of PGs
- *percentage of students doing projects in collaboration with other universities / Industry / institute :* Nil

Details of Students STS ICMR Projects:

Sl.No	Name of the Student	Name of the Guide	Year	Title of the Project	Amount Sanctioned*	Outcome in Short
1.	Srivalli	Dr Madan Mohan	2014	To study the association of heavy metals in blood of autistic children of Pondicherry UT	INR 5000	Accepted by ICMR
2.	A. Mohammed Fazil Ali	Dr Henri Balraj	2011	Association between waist circumference and blood sugar level with special reference to HBA1c level in type 2 diabetics an observational study	INR 5000	Accepted by ICMR
3.	Mahesh Aravind Naren Vaidhya	Dr Jeneth Berlin Raj	2011 2012	Immediate effect of deep breathing, relaxing music and non-violent video games on heart rate variability in response to acute stress: a comparative study Changes in serum testosterone in chronic mobile phone users and its correlation with serum	INR 5000	Accepted by ICMR

				melatonin level.		
4.	Arohi	Dr Richa	2014	Evaluation of autonomic activity in overweight and obese young adults using both BMI and waist hip ratio as criteria for obesity in Indian population		Accepted by ICMR
5.	Nareen Vaidya	Dr Sobana	2013	Prevalence of internet addiction and its impact on mental wellbeing and academic performance among adolescents	INR 5000	Accepted by ICMR
6.	Silambarsi N.	Dr Ramya	2014	Stem cell isolation & validation between breast milk & colustrum	INR 5000	Accepted by ICMR

**The total grant received represents approximate value and includes the cost of consumable and non consumable items bought for UG, research laboratories & CIDRF*

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29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at			
		State/ University Level	National Level	International Level	Total
1.	Faculty	--	1	--	1
2.	Students UG/PG	1	--	--	1

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1.	Dr Madanmohan	Gold medal & Scroll of honor, Annual internal oration, JIPMER	National	2009-10
2.	Dr Vishnu Priya (PG)	Best thesis paper presentation	University	2014-15

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

30. Seminars / Conferences / Workshops organized and the source of funding (State / National / International) with details of outstanding participants, if any.

Total Organized: 5

(State: 4; College: 1).

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Workshop-cum- CMEs	12.06.12 27.07.12 22.11.13 27.11.14	200 each (approx)	SBV	University	10/5
2.	Skill based training on BLS	25/05/15 27/05/15	20	SBV	University	
	Total	5	820	SBV		

N: National; I: International; U: University; C: College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments:

As per the norms of Institutional ethics committees

32. Student Profile program-wise - Students enrolled and performance:

A. **PG Students:**

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree (MD/MS/ Diploma)	**2009-2010**	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75

b. Performance in University Examinations:

Name of the Course *(Refer to Question no. 4)*	Number of students completed PG Studies and Pass percentage during the past Five Academic Years				
	Academic Year	Candidates Appeared	Candidates Passed	Pass %	Remarks (Gold Medalist, if any)
	2011-2012	**4**	**4**	**100**	--
	2012-2013	**2**	**2**	**100**	--

	2013-2014	1	1	100	--
	2014-2015	2	2	100	--

Performance in University examinations conducted by SBV:

Name of the Course	**Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years**				
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**
UG Degree (MBBS)	**2009-2010**	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33.Diversity of Students:

a.PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of students from other Universities Within Pondicherry**		**No. and % of students from Universities Outside Pondicherry**				**No. and % of Students from Other Countries (Outside India)**	
				From TN		**Other States**			
PG	**2009-2010**	6	12.5	29	56.8	16	33.3	-	-

Degree (MD / MS)	**2010-2011**	7	14	28	56	15	30	-	-
	2011-2012	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	7	10.8	32	49.2	26	40	-	-
	2014-2015	5	7.8	30	46.9	28	44.4	-	-
PG Diploma	**2009-2010**	-	-	6	50	6	50	-	-
	2010-2011	-	-	6	54.5	5	45.5	-	-
	2011-2012	-	-	7	63.6	4	36.4	-	-
	2012-2013	-	-	8	61.5	5	38.5	-	-
	2013-2014	1	8.3	9	75	2	16.7	-	-
	2014-2015	-	-	10	83.3	2	16.6	-	-
PG (M.Sc Medical Bio chemistry / Micro biology)	**2009-2010**	3	42.9	4	57.1	-	-	-	-
	2010-2011	6	60	2	20	2	20	-	-
	2011-2012	6	75	2	25	-	-	-	-
	2012-2013	2	40	2	40	1	20	-	-
	2013-2014	1	50	1	50	-	-	-	-
	2014-2015	1	100	-	-	-	-	-	-
	2011-2012	-	-	1	50	1	50	-	-
	2012-2013	-	-	1	50	1	50	-	-
	2013-2014	-	-	2	100	-	-	-	-
	2014-2015	-	-	-	-	1	50	1	50

b.UG Students from 2009-2014: student diversity is given in table (Common to all departments):

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of students from within Pondicherry**		**No. and % of students from Outside Pondicherry**			
				From TN		**Other States**	
UG Degree	**2009-2010**	42	28	82	54.7	26	17.3

(MBBS)	**2010-2011**	42	28	93	62	15	10
	2011-2012	42	28	100	66.7	8	5.3
	2012-2013	42	28	102	68	6	4
	2013-2014	43	28.7	98	65.3	9	6
	2014-2015	48	19.2	190	76	12	4.8

34.How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.

None

35.Student Progression

Student progression	No. & % against enrolled
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	Nil
PG to Superspeciality - DM / M Ch in the Subject of the Department a.SBV to SBV b.SBV to Other Institutions	NA
PG to Ph.D. a.SBV to SBV b.SBV to Other Institutions	Nil
Ph.D. to Post-Doctoral Fellowship a.SBV to SBV b.SBV to Other Institutions	Nil
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	At SBV: 2 At other colleges: 7
Entrepreneurs / Self Employed / Practitioners from among the Dept. PG / Super speciality students.	Nil

36.Diversity of Staff

Percentage of faculty who are graduates	PGs
of the same University	14.2%
from other Universities within the State	7.1%
from Universities from other States	78.7%
from Universities outside the Country	Nil

37.Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

A.After joining SBV (2008 – 2015):

Dr Madanmohan, DSc (Yoga)

Dr Sobana (certificate as instructor for ACLS & BLS)

38.Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
1.	No. of Books	623	125
2.	No. of Journals	N: 3 I: 3	0
3.	No. of e-Journals	2792	2792
4.	P.G. Dissertations	9	3

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	5	1
2.	Central facility	100	100

C. ***Total Number of Class Rooms, Seminar Halls etc. available for the Department.***

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms		3
2.	Seminar Halls		3
3.	Demonstration Rooms	6	
4.	Auditorium		1
5.	Class rooms with ICT facility		3

6.	Seminar Hall with ICT facility		3
7.	Auditorium with ICT		1

8.	Students' Laboratories at the Department	:	4
9	Research Laboratories at the Department	:	1
10.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	:	--
11.	Skill Lab	:	Details
12.	Sharing or Usage of the resources of other Departments	:	CIDRF CYTER CMT

D. List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. (Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C)

Equipment	Quantity	Unit Cost (Approx)	Total cost
Multichannel digital polyrite	3	300,000	900,000
3 channel students physiograph	3	165,000	495,000
Light microscopes	80	9,000	720,000
Water distillation apparatus	1	18,000	18,000
Benedict-Roth's spirometer	1	50,000	50,000
Analogue ECG machine:	1	30,000	30,000
Photoelectric calorimeter	1	9,000	9,000
pH meter		7,000	7,000
Total			22,29,000

D. Clinical Teaching – Learning Resources (only for Clinical Department)—NA

E. Clinical Learning Resources
(Only for Pre & Para Clinical Departments offering Diagnostic Services)-NA

39. List of Doctoral, Post-Doctoral Students and Research Associates:

From	Doctoral Student	Post-Doctoral Faculty	Research Associates	Total
Host Institution / University	2	0	0	2

40. A.Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms.

C. Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are as under (common to all Departments).
Details are provided in SSR.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.
Yes. New programs were stated based on the need assessment.

42. Does the department obtain FEEDBACK from

A. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
Yes, the feedback is critically analyzed and the suggestions are incorporated (if feasible) in teaching learning exercises.

Subject for feedback:
How to manage increased strength (250) during theory & practical classes

Outcome:
Students divided into 2 batches (125 each) for conducting theory classes
Students are divided into 4 batches for carrying practical classes

B.Students on staff, curriculum and teaching-learning-evaluation and how does the

department utilize the feedback?

Yes, regular feedback taken after implementation of any teaching learning methodology and is utilized to make necessary amendments

Subject for feedback:

Whether two systems should be taught simultaneously in physiology or not.
Whether same topic to be simultaneously taken by two faculty for the two groups.

Outcome:

Scheme of teaching two systems simultaneously dropped.
Only one system is taught at a time by same faculty in both the batches

C.Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, the suggestions are incorporated in teaching learning exercises as well as other workings of the department.

43.List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1.	Dr Sobana R	MGMCRI	Assist. Prof	Puducherry
2.	Dr Ramya K	MGMCRI	Assist. Prof	Puducherry
3.	Dr Kanchana N	KMC	Assist. Prof	Kerala
4.	Dr Marius T. George			Kerala
5.	Dr Abirami		Research Assistant	Singapore
6.	Dr Geetha	IGG Hospital		Puducherry
7.	Dr Santha Kumari	GMC	Assist. Prof	Chenni
8.	Dr Prem	CMC	Assist. Prof	Trichy
9.	Dr Vishnu Priya	DSMC	Assis. Prof	Parumbellur

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

1. Number of SEPs conducted during the last Five Years: 5
Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Special Lectures*	27.8.14	MGMCRI	Dr E S Prakash*	--
2.	Workshops / Hands on Training	12.06.12	MGMCRI	Dr ES Prakash	Dr Madanmohan
3.	Special Seminars*	27.3.15	MGMCRI		Dr Madanmohan Dr Henri K Balraj
4.	Training Programmes	--	--	--	--
5.	CMEs / CDEs	26.6.15	MGMCR	Prof. BN Gangadhar Dr. Manoj Naik Dr. Kausthub Desikachar	Dr Madanmohan Dr Ananda Balayogi
		27.11.14	MGMCRI	Dr HN Halahall Dr PN Ravindra Dr Ambrish V	Dr Madanmohan Dr Ananda Balayogi
		22.11.13	MGMCRI	Dr S Sridharan Dr Latha Satish Mrs Cathy Davis	Dr KR Sethuraman Dr Madanmohan Dr Ananda Balayogi Dr Eshwaran
		12.06.12	MGMCRI	Dr ES Prakash	Dr Madanmohan
	Total	7			

*Guest lecture for I MBBS students on Regulation of Blood Flow
**Students seminar on respiratory physiology

2..List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.
Dr. ES Prakash
Associate Professor & Vice Dean,
Mercer University
Georgia, USA

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching (Conventional, Interactive, Blended, Learner Centric, Skill Laboratory, Virtual Laboratory, ICT enabled (Video Conferencing, Webinars, LMS, ERP, or any other, etc.)

Sl. No	For UG	For PG
1.	Conventional lecture using A-V aids	Regular seminar
2.	Small group, hands on, structured practicals	Practical exercises
3.	Small group teaching	One to one teaching
4.	Mentor Mentee system	Microteaching
5.	Problem based learning	Problem based exercises
6.	Integrated teaching	Web based teaching
7.	Student seminar	Postings at institute of national importance (JIPMER)
8.	Web based teaching	Computer simulation for animal practicals
9	Computer simulation for animal practicals	Special lectures organized by scientific & academic forum (SAF)

46. How does the department ensure that program objectives are constantly met and learning oucomes are monitored?

1. Interactive sessions with the UG/PG students

2. Interactive sessions with parents.

3. Regular evaluation of the students through:
   a. Written examination
   b. One to one theory viva
   c. Practical examination by OSPE
   d. Conventional practical examination followed by one to one viva on practical exercises

4. Validation of questions and item analysis after every exam followed by necessary corrections.

5. Regular monitoring progress of ongoing thesis of PG and doctoral students.

6. Quarterly evaluation of ongoing research projects of faculty & PGs

47. Highlight the participation of students and faculty in extension activities.

- Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

- Brief note on the extension activities (rallies, lectures, camps) participation by faculty and students

- Orientation /sensitization/ awareness lectures

- Exhibition, blood donation, tree plantation, celebration of days etc.

The department has conducted:

a) 6 month yoga course for nursing students (pre & post test questionnaire attached as proof)

b) Course of BLS for postgraduate students (schedule attached as proof)

c) 1 week training program scheduled for celebrating "World Yoga Day" (21st June)

48. Give details of "beyond syllabus scholarly activities" of the department.

- Recent advances/ demos of latest skills/ demos of new equipments; CMEs, DETs, METs, NETs, Clinical meetings SBV-AHEAD / SAF / MEU / DEU / NEU
- Webinars, seminars, workshops, videoconference, on-line lectures.

Department is involved in:

a. Conducting CMEs/Workshops on relevant topics for students.
b. ICT based exercises (beyond classroom teaching)
c. Yoga sessions for the students
d. Music therapy sessions for student for relaxation
e. Demonstration of BLS to postgraduate students
f. Faculty and post graduate students regularly participate & attend monthly meetings of scientific and academic forum (SAF)

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by statutory regulatory body MCI.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research (eg. Research publications, surveys, trials and PG dissertations and other research inputs /outputs are as under:

a) The research conducted by the department has put light on physiological

& pathological aspects of cardiovascular, respiratory and neurological functions.

b) The research conducted in the department has highlighted the beneficial role of yoga & music therapy to cope up with day to day stress as well as various diseased states.

- New methods of diagnostics, tests, methods, skills for treatment and management are as under:

a) The research conducted by the department has highlighted the beneficial effect of Yoga & Music therapy in the maintenance of normal physiological state (prevention of diseases).

b) The research conducted in the department has put new light on the benefits of Yoga & Music therapy as adjuvant to conventional medical & surgical treatments as well as rehabilitation.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Excellent infrastructure	Shortage of computers with ICT facility in the department	To make significant contributions in the fields of teaching & research	To motivate students to acquire knowledge, skill & proper attitude,
2.	Dedicated & well trained faculty	Strategy to deal with large batch(n = 250) is still evolving	To effectively implement "integrated teaching" of medicine.	To develop competent physicians & logical thinkers out of our students
3.	Student friendly atmosphere	Interdisciplinary coordination for teaching & research is still evoving	To coordinate better with other departments for teaching & research	To compete globally in the field of research.
4.	Acceptance & implementation of newer teaching learning methods	"Horizontal & Vertical" integration not fully incorporated in the curriculum	To design & implement an effective strategy to deal with low achievers	To make better use of the resources available
5.	Grievance redresses & Mentor Mentee system	Research activities need to be upgraded	To upgrade research infrastructure of the department.	To pursue excellence in the field of teaching.

***52. Future Plans of the Department* :**

TLE Methods:

- Further improvement of web based teaching
- The department is currently involved in developing a MCQ based software as a teaching learning aid.

Research:

- To upgrade research laboratory for measurement of cardio respiratory and neurological parameters

Extension:

- To organize 1 week awareness course on "World Yoga Day" (21st June)

FDPs:

- To organize International conference on Yoga on 26th June 4, 2015.

53.

a. Salient and Unique Features of the Department: --

- Excellent infrastructure.
- Dedicated & well trained faculty.
- Student friendly atmosphere.
- Acceptance & implementation of newer teaching learning methods.
- Emphasis on research on various physiological phenomenon.
- Grievance redresses & Mentor Mentee system.

b. Innovations of the Department:

- The department has evolved an instructive manual for learning practical skills (Objective Structured Practical Instructions*:* OSPI) in physiology for students.
- The department has evolved manual exclusively for Objective Structured Practical Examination (OSPE) in physiology for students.
- The department is currently involved in developing a MCQ based software as a teaching learning aid.

c. Best Practices

- The department follows Standard Operating Procedures (SOPs) for various teaching & research activities.
- Regular feedback is taken from & given to the student.
- Mentor mentee system.

Biochemistry

1. Name of the Department : Biochemistry

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University*?*

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the **Faculty of Medicine**.

4. Names of Programs Offered *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*

The Department offers the following programmes:

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Annual	2001	150	250	4.5 yrs
PG Degree	MD	Annual	2009	2	0	3 yrs
	MSc (Medical Biochemistry)	Annual	2009	6	2 (2nd yr) + 2 (3rd yr)	3 yrs
	M.Sc. Clinical Nutrition	Annual	2014	6	0	2 yrs
	M.Sc. (MLT) Clinical Chemistry	Annual	2014	6	0	2 yrs
PG Diploma	GCLP	Annual	2014	6	6	1 yr
Doctoral	Ph.D	Annual	2013	6	2 (2013) + 4 (2014)	4 yrs

5. Interdisciplinary Programs and Departments involved

PGs from our department are visiting Department of Microbiology and Pathology for a period of 1 month.

Nature of Involvement:

a) Lab posting
b) Journal Club
c) Seminar

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc*.*

Collaboration with University of DUNDEE, Scotland, UK in progress.

7. Details of Programs discontinued, if any, with reasons. Nil

8. Examination System : *Annual*

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
BDS		IGIDS
B.Sc., Nursing		KGNC
Post B.Sc., Nursing		KGNC
M.Sc (Medical Microbiology)	Microbiology	MGMCRI
MD (Microbiology)	Microbiology	MGMCRI
MD (Pathology)	Pathology	MGMCRI
MDS (Pathology & Microbiology)	Oral Pathology	IGIDS

Nature of Involvement:

Lectures, Practical, Demonstration, Seminar, Small Group Discussion, PBL and Journal Club.

10. Number of Teaching posts sanctioned, filled and actual

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per) MCI	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	3	0	3
Associate Professor / Reader	2	1	0	1
Assistant Professor / Lecturers	4	1	2	3
Subtotal (1)	7	5	2	7
Demonstrator / Tutor	6	1	3	4
Subtotal (2)	6	1	3	4

Designation	Sanctioned (as per) MCI	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	3	0	3
Grand Total (1+2)	13			11

11. *Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance*

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience			
					Total	At SBV	Guiding	Guided
1	Prof. R. Ramesh	MBBS, MD, CCMD, PGDHA, (PhD)	Professor & Head	Clinical Chemistry & Medical education	20	2	0	2
2	Prof. A. R. Srinivasan	M.Sc., PhD	Professor	Microbial biochemistry & Enzymes as therapeutics	22	2	1	1
3	Prof. Subiman Saha	MBBS, MD, PDF (USA)	Professor	Biochemistry, Molecular biology and Experimental medicine	16	3	1	2
4	Dr. Niranjan G	MBBS, MD, CCMD	Associate Professor	Biochemistry & Molecular biology	6	3	1	2
5	Dr. Sathish Babu M	MBBS, MD, DNB	Assistant Professor	Biochemistry & Molecular biology	5	2	0	2
6.	Dr. Reeta .R	MBBS, MD	Assistant Professor	Biochemistry & Molecular biology	3	0	0	0
7.	Dr. Swetha K	MBBS, MD	Assistant Professor	Biochemistry & Molecular biology	3	1	1	0

b. *Faculty of the Department as Ph.D Guides: (at SBV & other Universities):*

Sl. No.	Name of the Faculty as Ph.D Guide	No. of Ph.D Students Registered at SBV under the Faculty		No. of Ph.D Students Registered at other Universities under the Faculty	
		Guiding	Guided	Guiding	Guided
1	Prof. R. Ramesh	4	-	-	-
2	Prof.A.R.Srinivasan	2	-	-	-

c. ***Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students:*** *Nil*

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors: *Nil*

13. Percentage of classes taken by temporary faculty – program-wise information: *Nil*

14. Program-wise Teacher Student Ratio *(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

Programme	Teacher Student Ratio
UG	1:43
MBBS	1:24
PG Degree	1:2
MD	5:1
M.Sc.	2:1
PG Diploma	2:1
Ph.D	2:1

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Laboratory Technicians	6	-	2	2
	Stenograph	1	-	1	1
	Attenders	2	2	1	3
Administrative Staff	Nil				
Total			2	4	6

16. Research thrust areas as recognized by major funding agencies and SBV
(Based on Research Projects / Dissertation and Publications):

S. No.	Name of Faculty	Area of Thrust

1.	Dr. R. Ramesh M.D	Molecular Diagnostics of Cardiovascular Diseases. MicroRNA's and their diagnostic utility Medical Education
2.	Dr. Subiman Saha M.D	Molecular Medicine Ageing
3.	Dr. A. R. Srinivasan Ph.D.	Microbial Biochemistry with reference to enzymes as therapeutic agents Enzyme Biotechnology with reference to Inborn Errors of Metabolism. Metabolic Syndrome
4.	Dr. G. Niranjan M.D.	Novel markers of Metabolic Syndrome and Childhood Obestiy
5.	Dr. M. Sathish Babu M.D	Hypertensive Disorders of Pregnancy and Cardiometabolic risk
6.	Dr. R. Reeta M.D	Biomarkers of Preeclampsia
7.	Dr. Kulkarni Shweta M.D	Polycystic ovarian syndrome Chronic Kidney Diseases

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.:

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) :

Details of the Collaborative projects:

a. National Collaboration: *Nil*

b. International Collaboration: *Nil*

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

20. A. Research facility / Centre available to carry out research :-

- In the department (give details of facilities in brief)
  - Automated Clinical chemistry analyzers - 3
  - Semi Automated analyzers - 3

- ABG analyzer - 1
- Hormone analyzer - 1
- Electrolyte analyzer - 2
- Coagulometer - 1
- UV continuous scanning Spectrophotometer - 1
- PCR - 1
- Gel electrophoresis - 1
- Chromatography - 1
- Gel Documentation - 1
- HbA_1c Analyzer - 1
- Refrigerated ultracentrifuge - 1

- At central level (give details of facilities used by your department) **:**
  - Central Inter Disciplinary Research Facility, a multi-disciplinary research lab recognized by DSIRO (Govt of India), CIDRF is open to all students and faculty.
  - Department of Biochemistry has **four projects** which are currently collaborated with CIDRF

B.Research facility / centre with: (recognised by national and international agencies for providing assistance for research)

Central Inter Disciplinary Research Facility, a multi-disciplinary research lab recognized by DSIRO (Govt of India).

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:
Nil

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	1	15
International Journals	4	21
State Journals	0	NIL
S.B.V. University Journals	0	NIL
Total	5	36

B. Monographs: Nil

C. Chapters in Books: 4

Sl. No.	Name of the Faculty	Name of Chapter	Name of the Book / ISBN No.	Year	Name and Publisher
1	Prof. R. Ramesh	Principles of relevant Statistics	Medical PG dissertation : "A step by step approach" /9789382521037	2013	United India periodicals
2	Prof. A. R Srinivasan	Formulating aims and objectives and Writing the dissertation protocol	Medical PG dissertation : "A step by step approach" /9789382521037	2013	United India periodicals
3.	Prof. A. R Srinivasan	Biochemical and clinical Consequences of Gluco-lipo toxicity	Heart failure Clinics /ISSN 1551-7136	2012	ELSEVIER
4	Dr. Niranjan G	MCQs for PG aspirants (Biochemistry)	TARGET JIPMER 2012 / ISBN 9788184451665	2012	PEEPEE Publications

D. Books edited: *NIL*

E. Books Published with ISBN with details of publishers: *NIL*

F. Number of Research articles / publications listed in International Database

	2009	2010	2011	2012	2013	2014
No. of Publications in Databases	1	0	2	8	9	14
Citation Index – Range / Average			3-5	7-10	18-20	20-27
Scopus	1	0	1	1	7	6
PubMed	1	0	1	1	7	6
WOS						
Google Scholar	5	5	9	14	46	111
Journal Analytics (Range / Average)						
SNIP						
SJR						
Impact factor (Range / Average)	-	-	0-1	0-1	0-1	1 to 2
h-index	-	2	2	3	3	3
Scopus						
WOS						

23. Details of Patents and income generated:

Patents obtained:

National: 1 (One)

24. Areas of Consultancy and income generated

a. The faculty of the department offer paid consultancy in the following areas: Nil

b. The faculty of the department offer honorary / reciprocator consultancy in the following areas:

Dr. Ramesh R: NABL consultancy for AUM hospitals, Puducherry.

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad:

Name	University	Purpose
Dr. R.Ramesh	Pondicherry University, JIPMER, The Tamil Nadu Dr. **M.G.R.** Medical **University**, Rajiv Gandhi University of Health sciences.	Examiner for M.B.B.S, M.D, M.Sc medical Biochemistry, B.Sc MLT
	JIPMER	As a selection panel member to select research fellow for ICMR Sponsored project in Dept of Dermatology
	Mother teresa institute of paramedical colleges	External expert for approving BSc MLT curriculum
Dr. Subiman Saha	Pondicherry University, JIPMER, MGR University	Examiner for M.B.B.S
Dr. A R Srinivasan	Pondicherry University, JIPMER, The Tamil Nadu Dr. **M.G.R.** Medical **University,** Rajiv Gandhi University of health sciences.	M.B.B.S , M.D , M.Sc, B.Sc MLT
Dr.Niranjan G	Pondicherry University, The Tamil Nadu Dr. **M.G.R.** Medical **University**, Rajiv Gandhi University of health sciences, JIPMER	M.B.B.S

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards	
				N	I

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards	
				N	I
1	Dr. Ramesh R	AMBI	-	1	-
2	Dr. Subiman Saha	ACBI,AMBI IMA, ISHBT, ISC, CMC Vellore	-	1	-
3	Dr.A R Srinivasan	ACBI ,CMC Vellore	-	1	-
4	Dr. Niranjan.G	AMBI	-	2	-
5	Dr.Sathish Babu.M	AMBI	-	-	-
6	Dr.Reeta.R	AMBI	-	-	-
7	Dr.Kulkarni Shweta	AMBI	-	-	-
8	Mr.V.Kuzhandai Velu	-	-	1	-
9	Mrs.Sathiya	-	-	-	-
10	Mrs.MohanaValli	-	-	-	-
	Total	13		7	-

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended 121 of FDPs.

  (3 International; 108 National; 10 State/ University/College).
- On an average, each faculty attends *10 – 15* FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	Inter National Level	
1.	Workshops	0	24	0	24
2.	Seminars / Symposia / Conferences	0	14	3	17
3.	CMEs/CDEs/MET/DET/ Clinical meets	10	70	0	80
	TOTAL	10	108	3	121

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	4	16	20
2.	Any other UG Students Projects sponsored by SBV or Others	2	-	2
3.	No. of PG Dissertations based on Research Work	4	3 MD + 8 M.Sc. (MB)	15
	Total	15	27	35

- **Details of Students STS ICMR Projects**
- ***Details of other UG Projects and PG Dissertations.***

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by Faculty	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	Inter National Level	Total	State/ University Level	National Level	Inter National Level	Total
1.	Prof. R. Ramesh	-	-	-	-	2	1	-	3
2.	Prof. A. R. Srinivasan	1	2	-	3	2	1	-	3
3.	Prof. Subiman Saha	1	-	-	1	-	-	3	3
4.	Dr. Niranjan. G	-	-	-	-	1	2	-	3
5.	Dr. M. Sathish Babu	-	-	-	-	1	-	-	1
6.	Dr. R. Reeta	-	-	-	-	2	-	-	2

7.	Dr. Kulkarni Sweta	-	-	-	-	1	-	-	1
8.	Students UG/PG	-	1	-	1	-	-	-	-

30. Seminars / Conferences / Workshops organized and the source of funding (State / National / International) with details of outstanding participants, if any.

Total Organized: 2 CMEs + 1 workshop

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Workshops	16.5.14	10	Department	U	2
2.	CME / Clinical meeting	28 .03.15 24 .01.12	200 Each	SBV	N	10
	Total	3	410		C	

N: National; I: International; U: University; C: College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments

An **institute research review committee and human / animal ethical committee** guideline / policies are being followed for all the biomedical research in our department.

***32. Student Profile program-wise - Students enrolled and performance*:**

A. PG Students

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree (MD/MS/ Diploma)	**2009-2010**	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75

***B.Performance in University Examinations*:**

Name of the Course *(Refer to Question no. 4)*	Number of students completed PG Studies and Pass percentage during the past Five Academic Years				
	Academic Year	**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
	2011-2012	3	3	100	-
	2012-2013	5	1	80	-
	2013-2014	2	0	0	-
	2014-2015	2	2	100	-
PG Diploma	**NA**				

Performance in University examinations conducted by SBV:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**
UG Degree (MBBS)	**2009-2010**	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

A.PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry			
						From TN		Other States	
PG Degree (MD / MS)	2009-2010	-	-	6	12.5	29	56.8	16	33.3
	2010-2011	-	-	7	14	28	56	15	30
	2011-2012	-	-	8	12.5	28	43.8	28	43.8
	2012-2013	-	-	7	9.6	36	49.3	30	41.1
	2013-2014	-	-	7	10.8	32	49.2	26	40
	2014-2015	-	-	5	7.8	30	46.9	28	44.4

B. UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of students from within Pondicherry		No. and % of students from Outside Pondicherry			
				From TN		Other States	
UG Degree (MBBS)	2009-2010	42	28	82	54.7	26	17.3
	2010-2011	42	28	93	62	15	10
	2011-2012	42	28	100	66.7	8	5.3
	2012-2013	42	28	102	68	6	4
	2013-2014	43	28.7	98	65.3	9	6
	2014-2015	48	19.2	190	76	12	4.8

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.
Nil

35. Student Progression

Student progression	No. & % against enrolled
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	a. Nil b. 1
PG to Ph.D. a.SBV to SBV b.SBV to Other Institutions	a. 1 b. 1
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	A: 30 B: 30

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University	0	28
from other Universities within the State	36	36
from Universities from other States	64	36

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

A. Before joining SBV:

a. M.Phil. - 1
b. Ph.D., - 1
c. PDF - 1

B. After joining SBV :

b. DNB - 1

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
1.	No. of Books	926	143
2.	No. of Journals	2	2
3.	No. of e-Journals	50	50
4.	P.G. Dissertations	11	11
5.	Project Reports of UG	-	16
6.	Project Reports of PG	Nil	Nil
7.	Project Report of Faculty	Nil	Nil

Central library internet facility is available. Wi-Fi facility available for students and faculty in campus. College had provided internet broadband connection to our department.

B. Computer and Internet facilities for staff and students available at Department:

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	2	1
2.	Central facility	50	Faculties and students own their laptop will utilize Available WIFI

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms	0	2
2.	Seminar Halls	1	0
3.	Demonstration Rooms	4	0
4.	Auditorium with ICT	0	1

5	Students' Laboratories at the Department	1
6	Research Laboratories at the Department	1
7.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	Nil
8.	Skill Lab	Nil
9	Sharing or Usage of the resources of other Departments	CIDRF

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. (Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C)

- Automated Clinical chemistry analyzers - 2
- Semi Automated analyzers - 3
- ABG analyzer - 1
- Hormone analyzer - 1
- Electrolyte analyzer - 2
- Coagulometer - 1
- UV continuous scanning Spectrophotometer - 1
- PCR - 1
- Gel electrophoresis - 1
- Gel Documentation - 1
- HbA_1c Analyzer - 1

- Refrigerated ultracentrifuge - 1

E.Clinical Teaching – Learning Resources (only for Clinical Department): Not Applicable

F.Clinical Learning Resources:
(Only for Pre & Para Clinical Departments offering Diagnostic Services)

1.	No. of Diagnostic Labs.	:	3
2.	List of Unique Diagnostic Equipments (Name and No.)	:	1. ABG analyzer - 1 2. Hormone analyzer - 1 3. Electrolyte analyzer - 1 4. Coagulometer - 1 5. HbA1c Analyzer - 1
3.	List of major diagnostic services	:	1. Serum Protein Electrophoresis 2. Stone analysis 3. Screening for Porphyrias, Galactosemia and Aminoacidurias 4. Hormone assays and tumor markers
4.	Avg. No. of diagnostic tests / day	:	2000 / day (both IP & OP)

39. List of Doctoral, Post-Doctoral Students and Research Associates:

From	Doctoral Student	Total
Host Institution / University	-	-
Other Institutions / Universities	6 + 1*	7
Total	6 + 1*	7

** One candidate is pursuing his Doctoral degree in Medical Education*

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. ***Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms***

C. ***Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies.***

The details are as given in the SSR.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, we have started three innovative courses in our department as there was need and very few Universities in India were offering these courses.
Before starting these courses, we did the need assessment

PG diploma in Good Clinical Laboratory Practices:

In the present scenario, NABL accreditation has become mandatory for clinical labs, especially those attached to medical colleges. Our Indian Universities, mostly lack specialization post MD in clinical chemistry. A qualified MD in Biochemistry will be mainly trained to teach the UG students. This Innovative course, planned for post MD (part-time) faculty will help them to update their knowledge and enhance skills pertaining to the overall management of a clinical laboratory.

MSc MLT in Clinical chemistry

Presently, we need technical specialization to handle the laboratory. Very few Universities in India are offering the master degree in laboratory technology with specialization. We definitely need master degree holders for the position of technical manager in a lab especially attached to a medical college. These MSc MLT could also be used to train the UG students (BSc –MLT).
Following the need for these courses, appropriate boards of studies were convened for the proposed courses namely PG diploma in Good Clinical Laboratory Practices, M.Sc., MLT (Clinical Chemistry) and M.Sc., Clinical Nutrition. Subject's experts were invited from reputed University to the boards and the composition of all the BOS was as per the UGC norms. Following the design of the curricula, the same were approved at the academic council meeting and eventually passed.

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, Dept. elicits feedback from junior and senior faculty member, external examiners from time to time regarding curriculum, teaching / learning methods and assessment. The same will be the agenda in curriculum committee meeting as well as in house departmental meetings.

Eg: The faculty in the feedback suggested incorporating more of integration in the curriculum in year 2013-14. Hence we have adopted more of both vertical and horizontal teaching.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, Dept. accepts feedback both pros and cons which will be evaluated based on the inputs from both junior and senior faculty members from time to time and that regarding teaching/learning methods and activities in general. The same will be the agenda in curriculum committee meeting as well as in house departmental meetings.

Eg. The Students in their feedback suggested providing specific learning objectives (SLOs) and question banks following the lecture. Hence we are sending the SLO's and Question banks to the respective email id of the students.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, The Head of the Department obtains feedbacks from the alumni (students & employees) for the future developments in our departments.

Eg. Posting can be done at other recognized and specialized centers of country. Career guidance and industry (R&D) can also be implemented.

43. List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1.	Dr. Velayutharaj	Chennai Medical College	Assistant Professor	Trichy
2	Miss. Anitha. A	Sri Lakshmi Narayana Institute of Medical Sciences	Tutor	Pondicherry
3	Dr. Priyadarshini	Sri Venkatesewaraa Medical College and Research Centre	PG (Completed)	Pondicherry

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

UG: Seminars, quiz, buzz session and group discussion

PG: Seminars, Journals and encouraging student in attending external workshops and our student have got prize in CME.

A.Number of SEPs conducted during the last Five Years 6.

Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Special Lectures	6.5.2011	MGMCRI	Dr. Vasudevan A. Ragavan	
		July 2014	MGMCRI		Prof. Ramesh

2.	Workshops / Hands on Training	16.5.2014	Dept. of Biochemistry MGMCRI		Mr. V. Kuzhandai Velu
3.	CMEs	24.1.2012	MGMCRI		Prof. AR Srinivasan
		28.3.2015	MGMCRI		Prof. S. Saha & Prof. R. Ramesh
4.	Any Other (Panel Discussion)	24.7.2008	MGMCRI		Prof. AR Srinivasan
	Total	6			

B. List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching (Conventional, Interactive, Blended, Learner Centric, Skill Laboratory, Virtual Laboratory, ICT enabled (Video Conferencing, Webinars, LMS, ERP, or any other, etc.)

Sl. No	For UG	For PG
1.	Conventional Horizontal & vertical Integrated teaching	Self learning learning
2.	Team based learning.	Problem based learning
3.	Problem based learning.	Concept mapping approach
4.	Concept mapping approach	Micro Teaching
5.	Flipped classroom teaching	Journal Clubs
6.	Assignment	Diagnostic Lab posting

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

We get Feedback from the students (current & alumni) about the curriculum, T/L methods and assessment regularly and our department is trying to respond positively for the conformities

47. Highlight the participation of students and faculty in extension activities. We extend clinical biochemistry profile community screening for disease.

a.Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	No. of Beneficiaries
1.	4	2012	4032
2.	94	2013	30792
3.	103	2014	8134

- **Brief note on the extension activities like rallies, lectures, camps, participation by faculty and Orientation /sensitization/ awareness lectures-NIL**

48. Give details of "beyond syllabus scholarly activities" of the department.

Students and Faculty are involved:

- Scientific Academic Forum, MGMCRI
- SBV AHEAD (Academy of Health Profession Education and Development) meeting
- Quiz Competition for UG
- Seminar Competition
- Research Cluster in collaboration with CIDRF
- In house Newsletter – **"THE RADICLE"**

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes. All the programmes are approved by statutory regulatory bodies –MCI

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- The department has conducted medical camps at schools, for screening childhood obesity.
- We have completed KAP studies on rural and semi urban families to create an awareness of using healthy edible oils.
- We have collaborated with community medicine department in conducting various medical camps.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Strength	Weaknesses	Opportunities	Challenges
Faculty members as a close knit unit.	Inability to meet frequently because of the fact that the faculty are holding addition co-curricular responsibilities	With the existing infrastructure and new research laboratory, we have opportunity to publish papers in higher impact factor journals.	To create an awareness of importance of biochemistry and molecular biology in modern medicine.

Most faculty members are from renowned institutions, which are known for their academics and research excellence	Inability to optimize their potentials due to above mentioned facts	With high number of undergraduate students, (250 MBBS) we can plan various research projects pertaining to medical education	To motivate MBBS students to do MD in Biochemistry, and also to take up research projects / PhD in biochemistry
All Faculty members are trained in various thrust areas	Less than optimal funds	With available number of PhD scholars, as well as students of ICMR-STS projects, we have opportunity to plan separate research team for future achievements.	To catch up with the current sophisticated technology in clinical chemistry
Maintenance of ethical, cordial student-teacher relationship, in compliance with student needs.	Failure to have one to one interaction with the students despite mentor mentee programme	More no of students on rolls would enable us to have diverse students so that we can plan effective T/L activities (need based and novel)	Time management
Good infrastructure with congenial working environment			

52. Future Plans of the Department :

- *Academics: Newer courses*
  - PG: MSc in Medical Biotechnology and MD in Lab medicine.
- *TLE Methods*
  - To develop T/L Methods for low achievers based on the non-cognitive scores and their learning styles.
- *Research*
  - To develop microchip based miRNA assay for diagnosing Myocardial infarction.
- *Infrastructure*
  - Walk-in cold rooms attached to the research lab

- Seminar room attached to the clinical lab
- To establish a diagnostic molecular biology laboratory

- *FDPs*
  - Peer reviewing of SLO and question bank among the faculties.

- *SDPs*
  - To develop T/L Methods for low achievers based on "VARK learning style" inventory.
  - To develop a T/L module for orienting MBBS students in lab medicine .

53. A.Salient and Unique Features of the Department

The Department perform following special investigation:

i) Serum Protein Electrophoresis
ii) Stone analysis
iii) Screening for Porphyrias, Galactosemia and Aminoacidurias
iv) Hormone assays and tumor markers
v) Biomarkers for prognosis

B.Innovations of the Department

T/L innovations like flipped teaching & Team based learning.

C.Best Practices

i) Participation in EQAS programmes (CMC Vellore), IQAS (Bio Rad)
ii) PBL, SGT, IGT, Mentor-Mentee programme, e learning and OSPE
iii) Quiz, seminar and journal club competitions
iv) In house training programmes and CMEs
v) Under Graduate research

D.Any other point which the department wants to state (not covered above)

- THE RADICLE (Recent Advances in Diagnostic Clinical Laboratory and Education), Newsletter

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Pathology

1. Name of the Department : **Pathology**

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University*?*

Yes, the Department is a part of Mahatma Gandhi Medical College & Research Institute, a Constituent Unit of Sri Balaji Vidyapeeth, Pondicherry, under the Faculty of Medicine.

4. Names of Programs Offered *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*

The Department offers the following programmes*:*

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Annual	2001	250	30+127+15 =171	4.5year+ 1 yr internship
PG Degree	MD Pathology	Annual	2008	03	09	3 yrs
Doctoral	Phd [Pathology]	Annual	2011	4	01	

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1.	MD(pathology)	Biochemistry, Microbiology depts. of MGMCRI	-
2.	MD(Pathology)	-	Dept of Pathology JIPMER
3.	Interdisciplinary Ph D programme involving department of pathology, CIDRF	MGMCRI	

	,Gen Surgery dept		
4.	Interdisciplinary programme- II Year MBBS	MGMCRI	

Nature of Involvement:

PG students of Pathology are posted in depts. Of Biochemistry and Microbiology and also in dept of Pathology, JIPMER, Pondicherry.

During this period, they observe various laboratory procedures. Also they participate in postgraduate discussions in Grossing, laboratory techniques and slide discussions .

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

Nil

7. Details of Programs discontinued, if any, with reasons.-NIL

8. Examination System: Annual

9. Participation of the Department in the Courses offered by other Departments/Institution

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
MD(microbiology),MD(Forensic Medicine) ,MD(Dermatology)	MGMCRI	
MDS(oral Pathology)		IGIDS
II year BDS, BSC(Radiology) BSc(Nursing)	MGMCRI	IGIDS AND KGNC

Nature of Involvement:

PG students of Microbiology, Forensic Medicine of MGMCRI and PG students of Oral Pathology dept of IGIDS are posted in dept of Pathology for a period of Month.

During this period, they observe various laboratory procedures in histopathology, cytology, clinical pathology. Also they participate in postgraduate discussions in Grossing,

laboratory techniques and slide discussions. The theory and practical classes of Second year BDS, BSc Radiology and BSc Nursing are conducted by faculties of Department of Pathology MGMCRI.

10. Number of Teaching posts sanctioned, filled and actual

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	01	03	-	03
Associate Professor / Reader	05	02	02	04
Assistant Professor / Lecturers	05	02	05	07
Subtotal (1)	11	06	05	13
Demonstrator / Tutor	06	01	08	09
Subtotal (2)	06	01	08	09
Grand Total (1+2)	17	07	13	22

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Yrs of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1.	Dr. Dhananjay Kotasthane	MD (pathology)	Professor and HOD	Pathology	20	6	2 MD 1 Ph D	7 MD
2.	Dr. Rajendra Dhaka	MD (pathology) DCP,PhD	Professor	Pathology	25	5	2 MD	2 MD
3.	Dr.G.	MD	Professor	Pathology	13	8	2 MD	5 MD

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Yrs of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
	Koteeswaran	(pathology)						
4.	Dr.G. Mangala	MD (pathology)	Asso. Prof.	Pathology	7	4	-	-
5	Dr Padmanna Negali	MD (pathology)	Asso Prof	Pathology	12	9	-	-
6	Dr Sujatha	MD (pathology)	Asso Prof	Pathology	8	5	-	-
7	Dr Joshua Daniel	MD (Transfusion Medicine)	Asso Prof	Transfusion Medicine	9	1		
8.	Dr.Bhavani. K	MD (pathology)	Asst. Prof	Pathology	6	6	-	--
9.	Dr.Shanmugasamy.	MD (pathology)	Asst. Prof	Pathology	6	6	-	-
10	Dr .Vaishali Kotasthane	MD (pathology) DPB	Asst. Prof	Pathology	7	3	-	-
11	Dr. Anandraj Vaithy	MD (pathology)	Asst. Prof	Pathology	4	1	-	-
12	Dr. Vinita	MD	Asst. Prof	Pathology	5	12	-	-

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Yrs of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
	singh	(pathology)						
13	Dr .T Madhumitra	MD (pathology)	Asst. Prof	Pathology	3	<1	-	-

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities):***
Nil

c. ***Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students: NIL***

8. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl. No	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Yrs of Teaching Experience	Remarks
1	DR. Raghavan Narasimhan	MD Pathology	Emeritus Professor	Pathology	40 yrs	-

9. Percentage of classes taken by temporary faculty – program-wise information: **Nil**

10. Program-wise Teacher Student Ratio

Programme	Teacher Student Ratio
UG	1:19
PG Degree	Professor1 :2 Associate Prof. 1:1
Ph.D	1 :4

11. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Laboratory Technician	22	10	11	22
Administrative Staff	Dept. Office clerk	01		01	01
Total		23			23

16. Research thrust areas as recognized by major funding agencies and SBV –

Thrust areas for Dissertations and Publications- Histopathology, cytology, Genetics

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

7 Numbers of Faculty of the department are involved in 3 Number of Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs
Department / Self Funded	10	15	-	-

Details of the Projects:

A.Ongoing Projects:-10
B.Completed Projects: 15

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) :

The Department has total 5 numbers of Collaborative Projects.

Total number of faculties of the department are involved in the said Collaborative Projects - 8.

Abstract of Collaborative Projects:

No. of Projects from	Number of Ongoing Collaborative Projects	Number of Completed Collaborative Projects	Total	Funds Received in Lakhs
National funding agency	--	01	01	10000

University funded	04		04	
Department / Self funded	10	15	25	
Total	14	16	30	

a. Completed Projects:

Sl. No	PI, Co-PI and Project Title	Funding Agency	Duration	National / International / SBV/ Department sponsored
1	Histopathological study of tumours of ovary PI-Dr Shameem CoI- Dr Dhananjay Kotasthane	SBV	3 years	SBV/Department Sponsored
2	Cytohistological correlation of thyroid lesions PI-Dr Ananthalaksmi CoI-G Koteeswaran	SBV	3 years	SBV/Department Sponsored
3	Histopathological study of tumours of uterine corpus PI-Dr Geetanjali CoI- Dr Dhananjay Kotasthane	SBV	3 years	SBV/Department Sponsored
4	Cytohistological correlation of breast lesion PI-Dr Shamugasamy CoI-Dr Dhananjay Kotasthane	SBV	3 years	SBV/Department Sponsored
5	Histopathological study of salivary gland tumors PI-Dr K Bhavani CoI- Dr Dhananjay Kotasthane	SBV	3 years	SBV/Department Sponsored
6	Histopathological study of prostatic lesions PI-Dr Aditi	SBV	3 years	SBV/Department Sponsored

	Dr G Koteeswaran			
7	Histopathological study of soft tissue tumors PI-Dr J Venkatraman CoI- Dr Dhananjay Kotasthane	SBV	3 years	SBV/Department Sponsored
8	Histopathological study of tumors of uterine cervix. PI-Dr-Atul Jain COI-Dr G Koteeswaran	SBV	3 years	SBV/Department Sponsored
9	Histopathological study of gastric biopsies in relation to H. Pylori and comparison of various histochemical stains and rapid urease test for demonstration of H. pylori PI-Dr G Kanimozhi CoI- Dr Dhananjay Kotasthane Dr G Mangala	SBV	3 years	SBV/Department Sponsored
10	Histopathological study of tumors of tumors of colon and rectum PI-Dr Vaishali Kotasthane CoI- Dr G Koteeswaran	SBV	3 years	SBV/Department Sponsored
11	Histopathological study of tumors of skin PI-Dr Matariswa Samanta CoI- Dr Dhananjay Kotasthane	SBV	3 years	SBV/Department Sponsored
12	Histopathological study of thyroid lesions PI-Dr Indhuja CoI- Dr Rajendra Dhaka	SBV	3 years	SBV/Department Sponsored
13	Histopathological study of endometrium in abnormal uterine bleeding	SBV	3 years	SBV/Department Sponsored

	PI-Dr Revathy CoI- Dr Dhananjay Kotasthane			
14	Cytopathological study of uterine cervix. PI-Dr Sujata Mallick CoI- Dr Rajendra Dhaka Dr Dhananjay Kotasthane Dr Ghose	SBV	3 years	SBV/Department Sponsored
15	Histopathological study of gastric tumors. PI-Dr Archana V CoI- Dr Dhananjay Kotasthane	SBV	3 years	SBV/Department Sponsored

b.Ongoing Projects-10

19.Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

.

Sl. No	**Type of funded projects**	**No. of Projects**			**Total grants Sanctioned**
		Ongoing	**Completed**	**Total**	
1.	Faculty Projects	04		04	Self funded
2.	Students Projects UG		01	01	10000
3	Students Projects PG	9	15	25	Self funded
	Total			30	10000

20. A. Research facility / Centre available to carry out research :-

- In the department

Histopathology, cytology, Frozen section/ cryostat. Special stains and work up

- At central level**:CIDRF**

B.Research facility / centre with: (recognised by national and international agencies for providing assistance for research)
State Recognition / **National Recognition** / International Recognition: **CIDRF**

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV: CIDRF

22.A. Research Publications:

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	45	4
International Journals	14	27
Total	59	31

B. Monographs: Total 1 Monographs published by 1 Faculty.

Sl. No.	Name of the Faculty	Topic of Monograph	Print *or* Online	Year
1	Dr. Dhananjay S.Kotasthane	*"Spotlight"*	Print	published in chronicle vol 5,Issue 1,Jan-Mar 2011

C.Chapters in Books: Total 1 Chapters in books published by 1 Faculty.

Sl. No.	Name of the Faculty	Name of Chapter	Name of the Book / ISBN No.	Year	Name and Publisher
1	Dr. Dhananjay S. Kotasthane	How to send samples to Pathology/haematology	Handbook for Interns on Quality Care	2014	SBV press Publication, Pondicherry

D.Books edited: NIL.

E.Books Published with ISBN with details of publishers:2

Sl. No.	Name of the Faculty	Name of the Book / ISBN No.	Year and edition	Name and Place of Publisher
1	Dr Pradeep Kumar NS	Manual of Practical Pathology/978-81-239-1975-1	2011 1st edition	CBS publishers,Chennai

F.Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	Total
No. of Publications in Databases	--	--	5	1	12	2	11	33
Citation Index – Range / Average								
Scopus			4		5	2	2	13
PubMed			3		1	1		5
WOS			3			1		4
Google Scholar			4	1	11	2	12	30
Impact factor (Range / Average)								Range=0-3.1
h-index								Range= 0-3

23. Details of Patents and income generated: NIL

24. Areas of Consultancy and income generated- Nil

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad:

Sl. No.	Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
		National	International		
1	Dr Dhananjay Kotasthane	SRM Medical college, Annamalai University, St John's Medical College		2014, 2015	Postgraduate exam – MD(Path),DNB
2	Dr Dhananjay Kotasthane	Sathya Sai Medical College,		2015	Board of Studies meeting for BSc(MLT) and other allied health

		Kancheepuram,			Science courses

26.Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (N: National; I: International)

Sl. No.	Faculty	National Committees	International Committees	Reviewer	Editorial Boards		Institutional
					N	I	
1.	Dr Dhananjay Kotasthane			Libertas Academica-Cancer growth and Metastasis, BMC research notes			Curriculum Committee, Institutional Biosafety Committee,Academic council,Institution council
4.	Dr Rajendra Dhaka						Academic Council
5.	Dr. Mangala	---	---	Journal of evolution of medical and dental sciences	---	---	Academic Council
6.	Dr. Anandraj	---	---	Journal of pharma and biomedical sciences	---	---	
7.	Dr. Vaishali Kotasthane	---	---	Journal of International Academy of Forensic Science and Pathology	---	---	
	Total			7			

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended ……163……. no. of FDPs.
  (……26..International; ……11… National; ……126…State/University; …… College).
- On an average, each faculty attends ……16…… FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	Inter national Level	
1.	Workshops	16	3	4	23
2.	Seminars / Symposia / Conferences	16	7	14	37
3.	CMEs/CDEs/MET/DET/Clinical meets	88	1	8	97
4.	Special Lectures	2	-	-	2
5.	Any other	4	-	-	4
	TOTAL	126	11	26	163

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	-	1	1
2.	No. of PG Dissertations based on Research Work	9	15	24

	Total	9	16	25

- Percentage of students who have taken up in-house projects including Inter-departmental projects : All PG dissertations are interdepartmental in nature

- Percentage of students doing projects in collaboration with other universities / Industry / institute : Nil

- **Details of Students STS ICMR Projects**:

Sl.No	Name of the Student	Name of the Guide	Year	Title of the Project	Amount Sanctioned	Outcome in Short
1	Meena	Dr. Shanmugasamy.k	2014	Seroprevalence Of HIV And HepatitsB Surface Antigen Among Voluntary Blood Donors In A Tertiary Care Centre Of Puducherry	Rs.10000	Published

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at			
		State/ University Level	National Level	International Level	Total
1.	Faculty	1	1		
2.	Doctoral/		1	1	8

	Ph.D	6			
3.	Students UG/PG	3	1		4

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1	Dr. Dhananjay S Kotasthane	Certificate of appreciation and cash award for research	SBV University	30 /01/2012
2	Dr. Dhananjay S Kotasthane	Member of India Academy of cytology	National	2014
3	Dr. Dhananjay S Kotasthane	Member of Indian academy of Pathology and Microbiology	National	2008
4	Dr. Rajendra Dhaka	Fellow of Indian College of Pathologists	National	June 2006
5	Dr. Rajendra Dhaka	Member of Indian academy of Pathology and Microbiology	National	June 2006

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

1. Dr. Dhananjay S Kotasthane was organizing chairperson for 43rd Annual Conference of Indian Academy of cytologists (cytocon 2013) organized by dept of pathology, JIPMER, Pondicherry between 3/10/2013 to 6/10/2013.He delivered a welcome address in the inauguration function of this conference.

He also chaired a session in the CME on “cytology of Male Genital Tract”and was a judge for various oral and Poster sessions in this conference.

2. Dr. Dhananjay S Kotasthane chaired a session titled bone Cytology of Bone lesions in CME on joint and Bone Pathology in Pondicherry Institute of Medical Sciences, Pondicherry organized in association with Indian Association of Pathologists and Microbiologists (Tamilnadu and Pondicherry Chapter on 15.4.2012.

3. Dr. Dhananjay S Kotasthane chaired a session in Atherosclerosis-"Symposium on Nanotechnology" at 24th Annual National Conference of Indian Society of Atherosclerosis Research and International CME on Atherosclerosis conducted a JIPMER, Pondicherry on 24.09.2011 and 25.09.2011 .

4. Dr Rajendra Dhaka chaired a session in Atherosclerosis-"Symposium on Ayush" at 24th Annual National Conference of Indian Society of Atherosclerosis Research and International CME on Atherosclerosis conducted a JIPMER, Pondicherry on 24.09.2011 and 25.09.2011 .

5. Dr. Dhananjay S Kotasthane chaired a session on " Tumor like lesions of Bone" in CME in Pathology at Sri Manakula Vinayagar Medical college, Pondicherry on 13th June 2015.

30. Seminars / Conferences / Workshops organized and the source of funding

Total Organized: 4
(International: …….; National: …2. State: …2….; University: …….; College: …….).

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	CME / Clinical meeting	5-03-2011 27-10-2012	120 200	Partially funded by SBV University	N N	3 3
2.	Any other (Guest lecturers;					

	training/ induction programs) Pondicherry state pathologist club meeting	17-4-2010 31-08-2013	70 60	Funded by SBV University	Pondicherry State Level	1 1

N: National; I: International; U: University; C; College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments

We are following ICMR and HELSINSKI declaration

32. Student Profile program-wise - Students enrolled and performance:

a. PG Students:

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree / Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+34=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75
UG Degree (MBBS)	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36

	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

b. ***Performance in University Examinations:***

Name of the Course ***(Refer to Question no. 4)***	**Number of students completed PG Studies and Pass percentage during the past Five Academic Yrs**				
	Academic Year	**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
PG Degree	2009-2010				
	2010-2011	3	3	100%	
	2011-2012	3	3	100%	
	2012-2013	4	4	100%	
	2013-2014	2	2	100%	
	2014-2015	3	-	-	

Performance in University examinations conducted by SBV:

Name of the Course	**Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Yrs**				
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**
UG Degree	2009-2010	June	148	117	79
		December	30	30	100

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Yrs				
(MBBS)	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

a. PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	2009-2010	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-

b. UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of students from within Pondicherry	No. and % of students from Outside Pondicherry		No. and % of Students from Other Countries (Outside India)
			From TN	Other States	

UG Degree (MBBS)	2009-2010	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.

35. Student Progression

Student progression	No. & % against enrolled
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	a)SBV: 3 b)Other: 8

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University	**2**	**3**
from other Universities within the State	1	2
from Universities from other States	7	4

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

1. Before joining SBV: …1……..
2. After joining SBV (2008 – 2015): …nil……...

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

S. No.	Infrastructural facility for Teaching	Central Library	Department Library
1.	No. of Books	603	166
2.	No. of Journals	07	nil
3.	No. of e-Journals	23	nil
4.	P.G. Dissertations	15	15
5.	Project Reports of UG	--	01
6.	Project Reports of PG	--	15
7.	Project Report of Faculty	--	--

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	04	01

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms		2
2.	Seminar Halls	1	
3.	Demonstration Rooms	4	
4.	Auditorium		1
5.	Class rooms with ICT facility		2
6.	Seminar Hall with ICT facility	1	
7.	Auditorium with ICT		1

8.	Students' Laboratories at the Department	:	2
9	Research Laboratories at the Department	:	1
10.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	:	Specimens-375 Posters and charts-60
11.	Skill Lab	:	Centrally available

12.	Sharing or Usage of the resources of other Departments	:	Museum Specimens, histopathology slides

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests.

Sl.NO	Equipment	Company Name	Qty	Approx cost	Functional status	AMC
1	Microtome :Manual	Yorco-1	2 Nos	50,000	Functional	Yes
2	Electrophoresis Apparatus	Bio-tech	1 Set	20,000	Functional	Yes
3	Haemo guard (Blood Storage Fridge)	Wheecon	2 Nos	1 lac each	Functional	Yes
4	Manual	J MITRA	1 no	25,000		Yes
5	Binocular Microscopes	Labomed/Adelta/ Magnus	10 No.	25,000 each	Functional	Yes
6	Monocular Microscopes	Adelta optic	120	10,000 each	Functional	Yes

List of Equipments costing above 1 lac Rs

Sl.NO	Equipment	Company Name	Qty	Approx cost	Functional status	AMC
1	Automatic Tissue Processor	Yorco	1 Nos	2 lacs	Functional	Yes
2	Cryostat semi -Automatic	Yorco	1 Nos	10 lacs	Functional	Yes

3	Microtome : Semiautomatic	Microm-1	1 Nos	6 lacs	Functional	Yes
4	8 part Autoanalizer	PENTA DF NEXUS,Horiba	1 No	40 lacs	Functional	New
5	5 part autoanalizer	PENTA ES60, HORIBA,	1 No	10 lacs	Functional	New
8	Blood bank Deep freezer -40'C	Thermo scientific	1 No	10 lacs	Functional	Yes
9	Blood bank Deep freezer -80'C	Thermo scientific	1 No	10 lacs	Functional	Yes
10	Elisa Washer	Aspen	1 No	1.5 lacs	Functional	Yes
11	Elisa Reader	Aspen	1 No	1.5 lacs	Functional	Yes
12	cryofuge	thermoscientic	1 no	20 lacs	Functional	Yes
13	cryobath	Wheecon	1 no	5 lacs	Functional	Yes
14	Thawing bath	Wheecon	1 no	5 lacs	Functional	Yes
15	Plasma expressor: Automatic	Optipress	1 no	5 lacs	Functional	Yes
16	Microscope Trinocular	Adelta optic	2 Nos	1.5 lacs each	Functional	Yes
17	Trinocular microscope microphotography-computer monitor systems	Adelta optic	3 No	2.5 lacs	Functional	Yes

F. Clinical Learning Resources

(Only for Pre & Para Clinical Departments offering Diagnostic Services)

1.	No. of Diagnostic Labs.	:	3
2.	List of Unique Diagnostic Equipments (Name and No.)	:	5 part hematology autoanalizer-1,8 part hematology autoanalizer-1, cryostat-1
3.	List of major diagnostic services	:	Hematology, clinical pathology, cyotology, histopathology,Blood bank
4.	Avg. No. of diagnostic tests / day	:	Haematology-1040/day Clinical Pathology-500/day Histopathology-25/day Cytology-20/day

39. List of Doctoral, Post-Doctoral Students and Research Associates:

From	Doctoral Student	Post-Doctoral Faculty	Total
Host Institution / University	1	-	1
Other Institutions / Universities	-	1	1
Total	1	1	2

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms

C. Undergraduate students also receive Financial Assistance from various Govt. & Funding *Agencies. The details are in criteria 5*

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

The need of starting MD (Pathology) course was felt in order to provide higher education to the freshly passed MBBS students.

Also, it was necessary for academic upgradation and to promote research in the department.MD(pathology) was the new course started in year 2009.Before commencement of the course, approval was taken from academic council of SBV University .Curriculum was also approved by the board of studies.Also, approval was obtained from Medical Council of India(MCI) to start this new course. Subsequently, during the final exam of the 1st batch of MD(pathology), expert team from MCI observed the examination process and inspected the facilties in the dept and on the basis of their observation, the postgraduate degree was recognized by MCI and Health Ministry of Govt of India.

The necessity of PhD course was to promote research activity in the department. Before commencement of PhD programme,approval was taken from Academic council of SBV University. Rules

and regulations of the PhD course were framed according to guidelines of University Grants Commission.Inspection by expert committee was carried out to inspect facilities in the dept and the institute. Doctoral committee was constituted to select the candidate, verify credentials of the guide, co-guide and approve the topic of Ph.D thesis.

42. Does the department obtain FEEDBACK from

a.Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, The feedback is utilized to modify teaching learning and evaluation process. Interactive sessions like tutorials, Problem-based learning exercise are incorporated. Few topics are covered in the form of integrated teaching activity in coordination with microbiology and pharmacology department.

b.Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. The feedback forms are analyzed. Faculties are given suggestions to modify teaching-learning methods and make them more student centric. Evaluation method has been also considerably objectivised.

c.Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, to improve curriculum, teaching learning and evaluation methods.

43.List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1	Dr.Nitty S. Matheus	CMC,vellore	Assistant Professor	CMC,Vellore
2	Dr. Shamim Sharif	SBV University	Assistant Professor	Chennai Medical College,Trichy
3	Dr.Ananthalakshmi	SBV University	Assistant Professor	Balaji Medical College,
4	Dr. Bhavani K	SBV University	Assistant Professor	MGMCRI, Pondicherry

5	Dr.Shanmugasamy K	SBV University	Assistant Professor	MGMCRI, Pondicherry
6	Dr.Vaishali D Kotasthane	SBV University	Assistant Professor	MGMCRI, Pondicherry
7	Dr.Venkatraman J	SBV University	Assistant Professor	Sri Manukala Vinayagar Medical college, Pondicherry
8	Dr.Kanimozhi G	SBV University	Assistant Professor	Sri Ramchandra Medical college,Porur, Chennai
9	Dr.Anandhraj Vaithy	Sri Manukala Vinayagar Medical college, Pondicherry	Assistant Professor	MGMCRI, Pondicherry
10	Dr.Archana V	SBV University	Assistant Professor	Sri Venkateshwara Medical College, Podichery

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE yrs

Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Special Seminars: **Pondicherry State Pathology Club Meet**	17/4/2010 31/8/2011	MGMCRI MGMCRI	Dr.Sajani Jacob Dr Pradeep Kumar	Dr.Dhananjay.S. Kotasthane Dr.Dhananjay.S. Kotasthane
2.	CMEs / CDEs:Current concepts in pathology	5/3/2011 27/10/12	MGMCRI MGMCRI	Dr.Roshan Chinoy, Dr.Debdatta Basu, Dr.Rath Dr.Susi Kurein, Dr. Sumit Gujral, Dr.Rajendhiran	Dr Dhananjay Kotasthane Dr Rajendra Dhaka

3.	Clinical Meetings				
4.	Conferences: Cytocon 2013 Co -hosted with JIPMER	5/10/2013& 6/10/2013	GRT Sunway	Dr.Durgesh Rana, Dr.Shyama Jain,Dr.R.F.Chinoy,Dr.R.G.W. Pinto,Dr.N Jayaram	Dr Dhananjay Kotasthane

List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.: Prof.R.Narsimhan

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching

Sl. No	For UG	For PG
1.	Conventional	Interactive,
2.	Blended	Virtual
3.		Learner centric

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Teaching schedule is prepared according to syllabus of SBV University. While framing the syllabus, the objectives and educational goals for II MBBS students set by the Medical council of India were taken into consideration.

Lectures, Practicals and tutorials are conducted according to this schedule. Internal assessment exams in the form of monthly tests and term end exam are conducted to monitor the progress of the students. The model answers of these exams are discussed with the students, they are counseled and advice is given to improve their performance.

Attendance of the students is also monitored. If the attendance and performance is unsatisfactory, then parents are informed and called to discuss the remedial measures.

Also feedback is taken from the students to assess the quality of teaching program. Microteaching activities are conducted for faculties so as to improve the teaching skill. Faculties are also sent for training in Medical Education technology centers approved by MCI and also for Medical Education technology workshops conducted by SBV University.

47. Highlight the participation of students and faculty in extension activities.

a. Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	No. of Beneficiaries
1.	World voluntary Blood donation day celebration	14th June Each Year	120
2.	Cervical Pap smear camps	2014	100

b. Brief note on the extension activities like rallies, lectures, camps, participation by faculty and Students

Department of pathology is actively involved in Voluntary Blood Donation Drive.

Every year**,** on 14th June ,World Blood donation day is observed and awareness programmes are conducted for the General Public attending the Out Patient dept of hospital of MGMCRI, Pondicherry

Also Blood grouping camps are organized in schools and colleges and awareness of importance of voluntary blood donation is created .

In association with Red Ribbon club, Dermatology and Venerology dept , AIDS awareness week is observed every year.

SBV Blood donors' club was inaugurated on 14th June 2014. Dr Dhananjay S Kotasthane and Dr G koteeswaran is president and secretary of this club respectively.

Faculty, Technical supervisor and technicians participate in the Voluntary blood donation camps which are organized by various organizations

48. Give details of "beyond syllabus scholarly activities" of the department.

PG students participate and make presentations in state level and national conferences and SAF,SBV-AHEAD

Faculty members of the dept are members of various committtes of the college day and graduation day celebrations and actively participate in conduct of these programs.

On the occasion of College gay celebrations.PG students actively participate in extracurricular activities and sports activities They also have received prizes in these competitions.

UG students, apart from participating in various events in college day celebrations, participate in intercollegiate activities.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by Statutory regulatory bodies –MCI /DCI/ INC.
Blood bank is Licensed for Whole blood and components by Drug Controller of India and also approved by Pondicherry State Blood transfusion Council.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research (eg. Research publications, surveys, trials and PG dissertations and other research inputs /outputs are as under:

Faculties and postgraduates of dept of pathology have done several publications in peer reviewed, reputed journals and this has contributed in some extent in creating new scientific knowledge.

Postgraduate dissertations have been converted into publications.

- New methods of diagnostics, tests, methods, skills for treatment and management areas under:

Frozen section for rapid intraoperative diagnostic and prognostic implications.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Well –qualified and experienced Faculty	Absence of facilities for specialized areas like Renal Pathology and neuropathology	Research by using facilities available in the department and the central interdisciplinary research facility	To get NABL accreditation for central laboratory, histopathology and cytology services
2.	Adequate Physical Infrastruture	lack of modernization and automation in the Histotechnique	To develop facilities for Renal Pathology and neuropathology by developing Immunohistochemistry and immunofluroscence facility	To train and evaluate large no of UG students ,in view of increased intake(250)
3.	SOPs available for lab services and Blood bank			To maintain turn-around time for laboratory services
4.	consistently good undergraduate			To recruit, train and retain qualified

	results			technical staff
5.	Availabilty of competent faculty as PhD guides			

52. Future Plans of the Department :

- *Academics:*
  Newer courses (UG,PG,Certificate,others)
  BSc(MLT course),MSc(MLT Course),certificate course in histotechnique.

- *TLE Methods:*
  To generate E - museum facilties
  To develop introduce Interactive learning methods like group discussions
  To develop self- learning modules for conducting practicals

- *Research:*
  Thrust areas of research are Histopathology, Cytology and Haematology
  Research projects are being proposed in collaboration with clinical depts like Gen Medicine, Gen Surgery and CIDRF

- *Extension:*
  To conduct in house Voluntary Blood donation camps.
  To Participate in Cervical PAP smear camps to be conducted in rural areas

- *Infrastructure (Physical & Learning Resources):*
  To develop Virtual museum and upgrade facilities in existing museum
  To develop immunohistochemistry, immunoflurosecence facilities and facilities for renal pathology, neuropathology
  To improve facilities in Students laboratories by adding modern Audiovisual Aids, projection apparatus and adding new specimens, models, charts and slides
  To procure Pentahead microscope for postgraduate teaching

- *FDPs:*
  To conduct CMEs/Conferences,Clinicopathological conferences on regular basis and to encourage faculties and students to participate in CMEs/Conferences.

- *SDPs:*
  To conduct students seminar for UG students.

53.

a. Salient and Unique Features of the Department:

Pathology dept is one of the important diagnostic department. It provides Histopathology, cytology, haematology, clinical Pathology services through its Well equipped laboratories and plays very important role in patient care. Faculties, postgraduates and technicians work very hard to maintain the turn-around time and issue reports to the needy patients. Through blood banking services, blood components are issued to needy patients, which are life saving to the patients.

b. Innovations of the Department:

1. Applied questions, problem based learning questions, clinical scenario based questions are utilized for teaching in theory and practicals so as to develop better clinicopathological correlation in the UG students

2. Integrated teaching practices in coordination with other departments have been introduced and practiced regularly so that students learn to correlate the topics in different subjects and develop holistic approach.

3. Objective structured Practical Examination modules have been prepared and utilized for teaching UGs in Practical.

c. Best Practices

1. Participation in external quality assurance scheme (EQAS) for hematology and transfusion medicine.

2. Hierarchal pattern of reporting in histopathology and cytology in order to minimize errors thus maintaining quality of reporting.

3. Standardized Operative Procedures (SOP) and quality manual has been prepared to ensure uniformity in technical procedures.

4. Periodically internal assessment exams are conducted to ensure that undergraduate students study regularly.

5. Post graduate activities in the form of subject seminars, slide seminars and journal club are conducted regularly as a part PG curriculum and Log book is maintained.

6. Question bank has been prepared and is being utilized in assessment.

7. Well equipped Museum with about 200 mounted specimens and 150 un- mounted are available. Specimens have been arranged system-wise.10 Catalogues of each system are available.

8. Modern audiovisual aids like LCD projectors are used to facilitate teaching – learning process and used in e-learning process eg:e-museum specimen demonstration.

9. Small group teaching is followed during practical classes for better teacher student interaction.

10. Faculty is encouraged to participate in medical education technology workshops, CMEs, conferences to improve knowledge and teaching skills.

10. Junior staff members and PG students are also encouraged to present papers in scientific academic forum of the college, in order to cultivate research aptitude in them.

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Microbiology

1. Name of the Department : Microbiology

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University*?*

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. Names of Programs Offered *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*
The Department offers the following programmes*:*

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Annual	2002	MBBS: 100- 150- 250	MBBS-157	4 & 1/2 yrs
PG Degree	M.D Microbiology	Annual	2009	3	-	3 yrs
Doctoral	Ph.D (Microbiology)	Annual	2011	1	3	3 yrs-Full time 4yrs-Part time
Any other	M.Sc Medical Microbiology	Annual	2010	6	4	3yrs

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1	M.D Microbiology	Department of Pathology, Biochemistry, Community Medicine	King Institute of Preventive medicine, Guindy

2	M.Sc Medical Microbiology	-	King Institute of Preventive medicine, Guindy

Nature of Involvement:

Observation, Discussion and Practical exercise.

6. ***Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc***

M.D & M.Sc Post graduates posted for 3 months at King Institute of Preventive medicine , Guindy, T.N Dr. MGR University.

7. ***Details of Programs discontinued, if any, with reasons.***

Nil

8. ***Examination System : Annual***
9. ***Participation of the Department in the Courses offered by other Departments***

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Departments of MGMCRI	Other Colleges / Institutes
BDS , MDS	-	IGIDS
M.D	Community Medicine Pharmacology Dermatology Pathology	-

Nature of Involvement:

Observation, Demonstration, Discussion & Practical exercises.

10. ***Number of Teaching posts sanctioned, filled and actual***

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI for 250 students)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	3	2	5
Associate Professor / Reader	2	0	1	1
Assistant Professor / Lecturers	4	2	2	4
Subtotal (1)	7	5	5	10

Designation	Sanctioned (as per MCI for 250 students)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	3	2	5
Demonstrator / Tutor	5	1	4	5
Subtotal (2)	5	1	4	5
Grand Total (1+2)	12	6	9	15

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Yrs of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1.	Dr. K.S. Seetha	M.B,B.S ; M.D	Professor & HOD	Clinical Microbiology	25	3	-	3
2.	Dr. Selvaraj Stephen	MSc; Ph.D.	Professor	Rickettsiosis	24	13	-	2
3.	Dr. V. Jayapal	M.B,B.S ; M.D; DNB, Ph.D. FABMS	Professor	Immunology	30	1	-	-
4.	Dr. S. Umadevi	M.B,B.S ; M.D	Professor	Clinical Microbiology	11	12	-	6
5.	Dr.S. Srirangaraj	M.B,B.S ; M.D	Professor	Clinical Microbiology	7	7	-	1
6.	Dr.S. Pramodhini	M.B,B.S ; M.D	Associate Professor	Clinical Microbiology	5	5	-	-
7.	Dr. Pravin Charles M.V	M.B,B.S ; M.D	Assistant Professor	Clinical Microbiology	3	3	-	-
8.	Dr. Arunava Kali	M.B,B.S ; M.D	Assistant Professor	Clinical Microbiology	3	3	-	-
9.	Dr. R. Kalaivani	M.B,B.S ; M.D	Assistant Professor	Clinical Microbiology	3	3	-	-
10	Dr.Namratha	M.B,B.S ; M.D	Assistant Professor	Clinical Microbiology	<1	<1	-	-
11.	Dr. Y. Valentina	MBBS; M.D	Tutor	Clinical Microbiology	<1	<1	-	-
12.	Dr. Lavanya. S	MBBS MD	Tutor	Clinical Microbiology	<1	<1	-	-

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Yrs of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
13	Dr. E. Sujitha	MBBS	Tutor	-	<1	<1	-	-
14	Dr. Divya Bharathi	MBBS	Tutor	-	<1	<1	-	-
15	Dr. Azharuddin. A.	MBBS	Tutor	-	<1	<1	-	-

b. Faculty of the Department as Ph.D Guides: (at SBV & other Universities):

Sl.NO	Name of the Faculty as Ph.D Guide	No. of Ph.D Students Registered at SBV under the Faculty	
		Guiding	Guided
1	Dr. Selvaraj Stephen	3	-

***c. Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students*: NIL**

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl.NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Yrs of Teaching Experience	Remarks
1.	Dr.Shanmugam	M.Sc, Ph.D, MD(MA), DSc	Senior Deputy Director, CIDRF, MGMCRI, Pondy	Medical Microbiology	43Yrs	

***13. Percentage of classes taken by temporary faculty – program-wise information:* Nil**

14. Program-wise Teacher Student Ratio *(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

Programme	Teacher Student Ratio
UG	1 :19
PG Degree(M.D)	1 :1
PG Diploma	-
Ph.D	1 :1
Any other(M.Sc Medical Microbiology)	1:1

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Technical Asst/Technician	7	-	9	9
	Lab Attendant	2	3	-	3
	Sweepers	2	-	2	2
Administrative Staff	Store Keeper cum Record Clerk	1	-	1	1
	Steno cum computer operator	1	-	1	1
Total		13	3	13	16

16. Research thrust areas as recognized by major funding agencies and SBV
(Based on Research Projects / Dissertation and Publications):

1. Major Funding agency
   - ICMR funded - Dr.Selvaraj Stephen Rickettsial Disease in Pondicherry
   - AYUSH (Applied) - Dr.Jayapal-Investigation of anti- human immunodeficiency virus (HIV) effect of Indian plants(*Phillanthus emblica Linn and Withania somnifera(Linn) Dunal)* and a classical Siddha preparation (Thanneervittan Nai) in the laboratory HIV cell-culture system

2. SBV Funding

   Major Projects:
   - Dr. Selvaraj Stephen-Confirmation of *Coxiella burnetii* IgM antibody positive Q fever cases by antigen detection in conventional and Real Time PCR

   Minor projects:

1. Dr. Kalaivani -Prevalence of soil-transmitted helminthes (STH) among school aged children in Seliamedu village SBVU, Notre Dame University(USA), QUEST University(Malaysia).

2. Dr.S.Umadevi-Phenotypic and genotypic study of drug resistance in Enterococci with special reference to Vancomycin Resistant Enterococci

3. Dr. Pravin Charles-

- Comparison of Rapid Immuno-chromatographic test, ELISA and RT PCR in diagnosis of dengue fever
- Evaluation of CRP, procalcitonin and blood culture in neonatal sepsis.

4. Dr. S.Pramodhini-

- Detection ofVirulence determinants and its association with drug resistance in clinical isolates of *Pseudomonas aeruginosa*

5. Dr .Kalaivani –

- Phenotypic and genotypic characterization of multidrug resistant *Klebsiella pneumoniae* among clinical isolates in tertiary care hospital.
- Incidence of Multi Drug Resistant pathogens in Critical Care Units with special reference to *MDR Acinetobacter baumannii*
- Identification of cultivable and non-cultivable microbes from utilized medical indwelling devices and its characterization
- Prevalence of soil-transmitted helminthes (STH) among school aged children in Seliamedu village SBVU, Notre Dame University(USA), QUEST University(Malaysia).

6. Dr. Srirangaraj

- Antibiotic screening of urine samples as a tool for internal quality audit

7. Dr. Arunava Kali

- Characterization and Antifungal susceptibility testing of *Candida* species isolated from clinical samples.

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

Eight (8) members of Faculty of the department are involved in Eleven (11) Number of Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs

International / national Funding Agency	1	2	3	33
University Funded / Sponsored	10	-	10	5.32
Department / Self Funded	-	12	12	-
Total	11	14	25	38.32

Details of the Projects:

A. Ongoing Projects:

Sl.No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored
1.	Dr. Selvaraj Stephen "Confirmation of *Coxiella burnetii* IgM antibody positive Q fever cases by antigen detection in conventional and Real Time PCR	SBVU	Rs. 2,00,000	1yr (2014-15)	SBVU
2.	Dr.V.Jayapal Investigation of anti- human immunodeficiency virus (HIV) effect of Indian plants(Phillanthus emblica Linn and Withania somnifera(Linn) Dunal) and a classical Siddha preparation (Thanneervittan Nai) in the laboratory HIV cell-culture system C0-PIs- Dr.K.S. Seetha & Dr. Balanehru Subramanian	AYUSH	Yet to be sanctioned	2 yrs	National

3.	Dr.S.Umadevi Phenotypic and genotypic study of drug resistance in Enterococci with special reference to Vancomycin Resistant Enterococci	SBVU	Rs.79,607	1yr (2014-15)	SBVU
4.	Dr. Srirangaraj Antibiotic screening of urine samples as a tool for internal quality audit	SBVU	Dept	1yr (2014-15)	Dept
5.	Dr. S. Pramodhini Detection ofVirulence determinants and its association with drug resistance in clinical isolates of *Pseudomonas aeruginosa*	SBVU	Rs. 35,000	1yr (2014-15)	SBVU
6.	Dr. Pravin Charles M.V 1.Evaluation of CRP, procalcitonin and blood culture in neonatal sepsis.	SBVU	Rs. 40000	1yr (2014-15)	SBVU
	2.Comparison of Rapid Immuno-chromatographic test, ELISA and RT PCR in diagnosis of dengue fever	SBVU	75,200	1yr (2014-15)	SBVU
7.	Dr. Arunava Kali Co-PI: Dr.K.S.Seetha Characterization and Antifungal susceptibility testing of *Candida* species isolated from clinical samples.	SBVU	Rs.10,000	1yr (2014-15)	Dept

8.	Dr. R. Kalaivani, 1. Phenotypic and genotypic characterization of multidrug resistant *Klebsiella pneumoniae* among clinical isolates in tertiary care hospital.	SBVU	Rs. 53,000	1yr (2014-15)	SBVU
	2.Incidence of Multi Drug Resistant pathogens in Critical Care Units – with special reference to *MDR Acinetobacter baumannii*	SBVU	50,000	1yr (2014-15)	SBVU
	3. Identification of cultivable and non-cultivable microbes from utilized medical indwelling devices and its characterization	SBVU& Others (Pondicherry University)	Yet to be sanctioned	1yr (2014-15)	SBVU & Pondicherry University

B. Completed Projects:

Sl. No	PI, Co-PI and Project Title	Funding Agency	Duration	National / International / SBV/ Department sponsored
1	Dr. Selvaraj Stephen Seroprevalence of Q fever, Spotted fever and Scrub typhus in Pondicherry."	MGMCRI, IGGGHPG, RAGACOVAS	ICMR	32 lakhs
2	Dr.Stephen Selvaraj Comparison of NS1 Antigen in dengue serodiagnosis with two ELISA kits	Dept	2011-12	Dept
3	Dr.Stephen Selvaraj, Serodiagnosis of scrub typhus in adults: Rapid ICT versus IgM ELISA	Dept	2011-12	Dept
4	Dr.Stephen Selvaraj Proteus OX K agglutination for scrub typhus – A preliminary report	Dept	2011-12	Dept
5	Dr.Stephen Selvaraj, Paediatric scrub typhus in and around Puducherry	Dept	2011-12	Dept
6	Dr.S.Umadevi Prevalence and antimicrobial susceptibility	Dept	2009-10	Dept

	pattern of ESBL producing gram negative bacilli			
7	Dr.S.Umadevi Microbiological study of diabetic foot infections.	Dept	2009-10	Dept
8	Dr.S.Umadevi Detection of extended spectrum betalactamases and metallo betalactamases in clinical isolates of ceftazidime resistant Pseudomonas aeruginosa	Dept	2010-11	Dept
9	Dr.S.Pramodhini & Dr.S.Uma Devi Determination of correlation between biofilm and ESBL producers of Enterobacteriaceae	Dept	2013-14	Dept
10	Dr.Shailesh Kumar & Dr.S.Umadevi Detection of inducible clindamycin resistance in staphylococcus aureus and coagulase-negative staphylococci - a study from South India. The Internet Journal of Microbiology	Dept	2010-11	Dept
11	Dr.Kalaivani Prevalence of soil-transmitted helminthes (STH) in school aged children in southern rural India	SBVU	2013	SBVU
12	Dr.Kalaivani Prevalence of soil-transmitted helminthes (STH) among school aged children in Seliamedu village	SBVU	2014	SBVU
13	Dr.Arunava Kali Faecal occult blood test in Intestinal Helminthiasis.	Dept	2010-11	Dept

17. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) :

The Department has total **4** numbers of Collaborative Projects.

Total grant received Rs.33 lakhs (National …ICMR..).

2 number of faculties of the department are involved in the said Collaborative Projects**.**

Abstract of Collaborative Projects:

No. of Projects from	Number of Ongoing Collaborative Projects	Number of Completed Collaborative Projects	Total	Funds Received in Lakhs
International funding agency	-	1	1	1

National funding agency	1	1	2	32
Total	1	2	3	33

Details of the Collaborative projects:

A. National Collaboration: (Total 2; Ongoing: 1 Completed: 1; Total grant in Rs 32… lakhs).

Sl. NO.	PI, Co-PI and Project Title	Name of the collaborating Institutions / Industries	Funding Agency	Grant received in Lakhs	Duration	Ongoing / Completed
1	**PI 1:Dr.Kalaivani & PI 2:Dr.K.Prashanth** Identification of cultivable and non-cultivable microbes from utilized medical indwelling devices and its characterization	Pondicherry University (Dept. of Bio technology)	Yet to be santioned (DBT/DST)	Awaited	One year	Ongoing
2	**Dr. Selvaraj Stephen** Seroprevalence of Q fever, Spotted fever and Scrub typhus in Pondicherry."	MGMCRI, IGGGHPG, RAGA COVAS	ICMR	32 lakhs	3 years	Completed

B.International Collaboration :(Total 2; Ongoing: 0; Completed: 2; Total grant in Rs 3 lakhs).

Sl. No.	PI, Co-PI and Project Title	Name of the collaborating Institutions / Industries	Funding agency	Grant Received in lakhs	Duration	Ongoing / Completed

1.	**Dr.Kalaivani, Prof.Sethuraman, Dr.EdwinMichael & Dr.Pani-** Prevalence of soil-transmitted helminthes (STH) in school aged children in southern rural India	SBVU, Notre Dame University (USA), QUEST University (Malasiya).	SBVU	1	6mths (15 rural village)	Completed
2.	**Dr.Selvaraj Stephen** – Evaluation of Scrub typhus rapid kit	Immunemed Seoul, South Korea	Immune med Seoul, South Korea	2	1year (2014)	Completed

18. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned	For details refer to Qn.Nos
		Ongoing	Completed	Total		
1.	Faculty Projects	11	13	24	38.32 lakhs	17
2.	Inter-institutional Collaborative Projects	1	3	4	1 lakhs	18
3.	Students Projects	2	8	10	70,000	28
	Total	13	22	35	40.02 lakhs	

19. A. Research facility / Centre available to carry out research :-

- In the department (give details of facilities in brief)

Equipments	Cost (Lakhs)	Use
BACTEC-Automated Blood culture system	20	• Diagnostic • Research- Post graduates of other specialities
MGIT 960- Automated Tuberculosis culture and Drug sensitivity	28	• Diagnostic-Pulmonary & Extra Pulmonary • Research- Ph.D
VITEK-2 – Automated identification and Antibiotic sensitivity testing	18	• Diagnostic • Research- PG Dissertation & Faculty Project

PCR- Eppendorf Thermocycler, Cytospin centrifuge, Electrophoresis apparatus and Gel Doc system	12	• Research-Faculty project
ELISA(Reader& Washer)	4	• Diagnostic- Confirmation of HIV, HBV and HCV • Research- Faculty project & PG Projects, Dengue
Fluorescent Microscope& QBC (Paralens)	5	• Diagnostic – Tuberculosis, Malaria • Research-Faculty project

- In other departments (give details of facilities used by your department) **:**
  Sample source and Patients clinical data from General Medicine, General Surgery, Obstetrics & Gynecology, Pediatrics & ICU
  Animal House – CIDRF
- In other colleges (give details of facilities used by your department) **:**
  Rickettesial ICMR Projects- Source of samples from Indira Gandhi Government General Hospital and Post graduate Institute Pondicherry (IGGGHPG) & Rajiv Gandhi Institute of Veterinary Education and Research (RIVER), Government of Pondicherry

- At central level (give details of facilities used by your department) **:**
  CIDRF – Molecular Techniques (Conventional PCR & Real Time PCR)

C. Research facility / centre with: (recognised by national and international agencies for providing assistance for research)

State Recognition / National Recognition / International Recognition
National agency- Diagnosis of Rickettsial diseases (ICMR sanctioned)-
Dr.Selvaraj Stephen

20. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:

- RNTCP laboratory
- ICTC laboratory
- TB culture laboratory
- Rickettsial- Sero Diagnosis
- Molecular diagnostic laboratory

21. A. Research Publications:

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	49	111
International Journals	4	60
Total	53	171

B. Monographs: Total …**1** Monographs published by 1 Faculty.

Sl. No.	Name of the Faculty	Topic of Monograph	Print or Online	Year
1.	Dr.Srirangaraj S	CD4 counts in South Indian Patients on HAART- A study from Mysore. Saarbrucken: LAMBERT Academic Publishing; 2010. ISBN-978-3-8433-8584-8.	Online	2010

C.Chapters in Books: Total ……**1(one)**…… Chapters in books published by ……**1(one)**… Faculty.

Sl. No.	Name of the Faculty	Name of Chapter	Name of the Book / ISBN No.	Year	Name and Publisher
1	Dr.Stephen Selvaraj	Zoonoses in India	Progress in Clinical Medicine	1982	*col.* M.M.S.Ahuja. Arnold-Heinemann press (New Delhi)

D.Books edited: Total …(Seven)… books Reviewed by …Dr. K.S Seetha…… Faculty.

Sl. No.	Name of the Faculty	Name of the Book / ISBN No.	Year and edition	Name and Place of Publisher
1	Dr. K.S Seetha	Ananthanarayanan and Paniker's Textbook of Microbiology	7th 2005	Orient Longman
2	Dr. K.S Seetha	Text book of Microbiology by Dr. S. C. Parija,	2008	Elsevier
3	Dr. K.S Seetha	Essentials of Microbiology by Dr. Rajesh Bhatia,	4th 2009	Jaypee Brothers
4	Dr. K.S Seetha	Paniker's text book of medical Parasitology by Saugata Ghosh,	7th 2014	Jaypee Brothers
5	Dr. K.S Seetha	Textbook of microbiology by R. Vasanthakumar	2nd 2013	Wolters Kluwer

6	Dr. K.S Seetha	Paniker's Textbook of Parasitology	7th 2013	Jaypee Brothers
7	Dr. K.S Seetha	Essentials of Medical Microbiology by Apurba Sankar	1st 2016	Jaypee Brothers

E. Books Published with ISBN with details of publishers:

Total……**1(one)**…Books with ISBN published by…… **1(one)**… Faculty.

Sl. No.	Name of the Faculty	Name of the Book / ISBN No.	Year and edition	Name and Place of Publisher
1	Dr.Jayapal	Fundamentals of Medial Immunology	2008, I edition	JP.Publishers, New Delhi

F. Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	Total
No. of Publications in Databases		6	12	7	12	12	11	
Citation Index – Range / Average		4	4	47	45	102	47	
Scopus	2	12	13	7	16	21	1	
PubMed	1	2	8	5	12	7	2	
Impact factor (Range / Average)	-	0.88-1.3	0.23-0.88	0.23-2.206	0.23-1.161	0.23-1.396	0.23-0.88	0.23-2.206
h-index								2-4

***23. Details of Patents and income generated* : Nil**

24. Areas of Consultancy and income generated

A.The areas of consultancy are as follows:

Dr.Selvaraj Stephen -Rickettsial Disease - ICMR consultant in 2011(Honorary)

B.The faculty of the department offer paid consultancy in the following areas:

Sl.No.	Name of the Faculty	Type of Consultancy	Income Generated
1	Dr.Selvaraj Stephen	Certification of New operation theatre for commissioning-Sree Lakshmi Narayana Institute of Medical Sciences	Rs 5000 for the institution
2	Dr.Selvaraj Stephen	Inspection of Microbiology department for infrastructure and Diagnostic facilities for the purpose of the UGC inspection, Arupadai Veedu Medical College and Hospital	Rs.2000

c. **The faculty of the department offer honorary / reciprocator consultancy in the following areas:**

Dr.Seetha .K.S-

Chair person,Committee against Sexual harassment
Co-ordinator,Curriculum committee
Co-ordinator, ICTC.
Member, Student disciplinary committee
Member,IAEC, MGMCRI
Member, HICC, MGMCRI
Member, Academic Council, SBVU.
Member secretary of institute biosafety committee.

Dr. Selvaraj Stephen- member of Board of Studies (UG & PG Microbiology) in Madras University from 2004 to 2008.
IHEC Chairman, SMVMC (2009 – 2013)
Member, HICC, MGMCRI
IAEC Chairman, SMVMC (2009 – till date)
Member, Academic Council, SBVU.
Member IAEC, MGMCRI 2008-2014
Co-ordinator Paraclinical committee, MGMCRI from 2002- 2013

Dr. Jayapal V - HICC Chairman , MGMCRI
- Member, Institutional Research Committee.
Member and medical officer of institute Biosafety committee.

Dr. Umadevi.S – Member, IHEC, AVMC

Dr. Kalaivani.R – Member Secretary, HICC, MGMCRI

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad

Sl. No.	Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
		National	International		

1	Dr. Jayapal V		Royal free hospital London		Molecular biology research work.
	Total				

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	**Faculty**	**National Committees**	**International Committees**	**Editorial Boards**		**Any other (Specify)**	
				N	**I**	**N**	**I**
1	Dr.K.S.Seetha	National journal of Basic Medical sciences		1			
2	Dr.K.S.Seetha Dr. Selvaraj Stephen	RNTCP- core committee		1			
	Total	2		2			

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended 283 no. of FDPs. (……27..International; ……49… National; ……207…State/University).
- On an average, each faculty attends ……4-5…… FDPs in a year.

Sl. No.	**Type of FDP**	**No. of Faculty who participated in the FDPs**			**Total**
		State / University Level	**National Level**	**Inter national Level**	
1.	Orientation Programme	1	1	0	2
2.	Refresher programme	2	0	0	2
3.	Workshops	10	8	2	20
4.	Seminars/Symposia/Conferences	8	10	9	27
5.	CMEs/CDEs/MET/DET/Clinical meets	11	4	2	17
6.	Special Lectures	5	0	0	5
7.	Any other(NABL training)	4	3	1	8
	TOTAL	41	26	14	81

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	**2**	**8**	**10**
2.	No. of PG Dissertations based on Research Work	**-**	**12**	**12**
3.	Any other Projects done by PG Students (M.D)other than Dissertations	**0**	**9**	**9**
4.	Any other Projects done by PG Students (M.Sc Medical Microbiology)other than Dissertations	**4**	**5**	**9**
	Total	**6**	**34**	**40**

- Percentage of students who have taken up in-house projects including Inter-departmental projects : 15% (6/40)

- Percentage of students doing projects in collaboration with other universities / Industry / institute : Nil

Details of Students STS ICMR Projects:

Sl.No	Name of the Student	Name of the Guide	Year	Title of the Project	Amount Sanctioned	Outcome in Short
1	Ms. Nivedhita	Dr. Pramodhini S	2011	Isolation & biofilm formation of uropathogens causing urinary tract infection in catheterised patients	Rs.10,000	Published & Poster Presentation done

2	Mr. Prem Vignesh M,	Dr. Joshy M Easow,	2011	Anti-HBsAg level amongst vaccinated health care workers of a teaching hospital in Puducherry	Rs.10,000	
3	Ms.S. Hema ,	Dr. S. Umadevi	2012	Intestinal parasitic infections in pre-school and school going children from a rural area in Puducherry	Rs.10,000	Published
4	Ms.Hema A,	Dr. Srirangaraj S,	2012	Detection of Metallo-beta-lactamase producing Pseudomonas aeruginosa in Intensive care units	Rs.10,000	Published
5	G. Tilak Ramu,	Dr. S Pramodhini	2012	Virulence factors of Candida species isolated from respiratory tract and urine	Rs.10,000	Published & Poster Presentation done
6	Jayaprakash.M	Dr.Umadevi.S	2014	Bacteriological profile of post operative wound infections in a tertiary health care hospital.	Rs.10,000	Published
7	Monica.R	Dr.Kalaivani.R	2014	Detection of MRSA carriers among health care workers and patient in a tertiary care hospital as on active surveillance measure.	Rs.10,000	-

8	Ms.Jothimeena	Dr.Pravin Charles	2014	Study of the utility of Umbilical Cord Blood Culture in Diagnosis of Early-onset Sepsis among New-borns with High-risk Factors	-	-

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at			
		State/ University Level	National Level	International Level	Total
1.	Faculty	7			7
3.	Students UG/PG	1			1

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1.	Dr.K.S.Seetha, Prof & HOD	Good Teacher Award	State	2005-2006
2.	Dr.K.S.Seetha, Prof &HOD	Distinguished Alumini Award	State	Dec 2002
3.	Dr.Stephen Selvaraj, Professor	Gold medalist for best research work, KMC, Manipal	State	1975
4.	Dr.Stephen Selvaraj, Professor	University First rank in M. Sc Medical Microbiology	State	1972
5.	Dr.Srirangaraj, Professor	University Second rank in M.D Medical Microbiology	State	2008
6.	Dr.Srirangaraj, Professor	Best Poster Award in SOZOCON-MICRO 2011 at SMVMC&H,	State	2011

		Pondicherry		
7.	Dr.S.Pramodhini, Associate professor	University First rank n M.D Medical Microbiology	State. T.N Dr MGR Medical University	2010
8.	Dr.Sukanya.S, Post graduate	Best oral presentation, SMVMC&H, Pondicherry	IAMM, Puducherry chapter	2015

Sl. No	Name and Designation	Resource persons, panelists, chairing the sessions at conferences/ seminars/workshops	State / University / National / International	Year and Date
1.	Dr.K.S.Seetha, Prof & Head.	**Resource person:** Re-orientation training program for teachers – Dept of Ayush sponsored by Ministry of Health and Family Welfare, Govt. of India , VMHMC & RI, Salem	National	4th April, 2009
		Chairing session: National conference on basic medical science, Vinayaka Mission, Salem	National	2010
		Resource person: Basic course workshop in Medical Education conducted by SRMC, Chennai, regional center in Medical Education Judge for poster presentation on world health day conducted by the Department of community medicine at AVMC in 2014	State	2012
		Chairing session: Blood stream infection – an update, IMSA and HICC, MGMC & RI, Pondicherry	International	2015
2.	Dr. Stephen Selvaraj	**Resource person & Chairing session:** Infection control and rational antimicrobial therapy, MGMC & RI, Pondicherry in association with ICMR Dr. Selvaraj Stephen- Chaired a session at IAMM Puducherry chapter at PIMS on Drug resistance in malaria" 24th June 2011	National	2010
		Chairing session: Clinical Microbiology – an update, SLIMS - IAMM, Puducherry Chapter **Delivered lecture:** In Jipmer Puducherry on Spetember 2006 on Atypical Mycobacteria infections in AIDS patients.	State	2012
3.	Dr. Umadevi S	**Chairing session:** Infection control and rational antimicrobial therapy, MGMC & RI, Pondicherry in association with ICMR	National	2010

		Resource person: Delivered a guest lecture on "Antimicrobial resistance and its global spread", during the "CME on Antimicrobial resistance and its spread", conducted on World Health Day, at MGMC&RI.	State	8th April 2011
		Chairing session: Clinical Microbiology – an update, SLIMS - IAMM, Puducherry Chapter	State	2012

30. Seminars / Conferences / Workshops organized and the source of funding

Total Organized: One state level CME in April, 2010 with three external resource person.

31. Code of Ethics for Research followed by the Departments

Institutional Human Ethics Committee (IHEC)
Institutional Animal Ethics Committee (IAEC)

32. Student Profile program-wise - Students enrolled and performance:

A. **PG Students**

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	**No. of Applications**	**No. of Students appeared for CET**	**Students Passing in CET**	**% of Pass in CET**	**Students Admitted M + F = T**
PG Degree /MD, Microbiology	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75
UG Degree	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114

						12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

B. Performance in University Examinations:

Name of the Course *(Refer to Question no. 4)*			Number of students completed PG Studies and Pass percentage during the past Five Academic Yrs			
	Academic Year	**Month**	**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
PG Degree	2009-2010	April	3	2	66.66%	
		October	1	1	100	
	2010-2011	April	3	0	0	
		December	3	3	100	
	2011-2012	April	3	3	100	
	2012-2013	April	3	3	100	
	2013-2014	April				
	2014-2015	April				
PG Diploma	2009-2010	Not Applicable				
	2010-2011					
	2011-2012					
	2012-2013					
	2013-2014					
	2014-2015					

Performance in University examinations conducted by SBV:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Yrs				
	Academic Year		Candidates Appeared	Candidates Passed	Pass %
UG Degree	2009-2010	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

a. PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	2009-2010	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-

b. UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of students from within Pondicherry		No. and % of students from Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
				From TN		Other States			
UG Degree (MBBS)	**2009-2010**	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.

Nil

35. Student Progression

Student progression	No. & % against enrolled
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges &Universities	 a) 4 (33.3%) b) 5 (41.7%)
Entrepreneurs / Self Employed / Practitioners from among the Dept. PG / Super speciality students	1(0.08%)

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University	0	36.3%
from other Universities within the State	36.3%	9%
from Universities from other States	63.6%	54.5%
from Universities outside the Country	0	0

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

A.Before joining SBV: 2

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sl. No.	Infrastructural facility for Teaching	Central Library	Department Library
1.	No. of Books	494	155
2.	No. of Journals	4 (2 N +2IN)	-
3.	No. of e-Journals	64 / 2792	-
4.	P.G. Dissertations	12	12
5.	Project Reports of UG	-	8
6.	Project Reports of PG	9	12
7.	Project Report of Faculty	-	12

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	15	10
2.	Central facility	142	142

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms	1	5
2.	Seminar Halls	1	
3.	Demonstration Rooms	4	2
4.	Auditorium	-	1
5.	Class rooms with ICT facility	-	5
6.	Seminar Hall with ICT facility	1	-
7.	Auditorium with ICT	-	1

8.	Students' Laboratories at the Department	:	1
9	Research Laboratories at the Department	:	1
10.	Museum No. of specimen / unique specimens / posters / models / charts / e-	:	1. Clay Models - 41

	museum features / display and utility		2. Charts - 194 a)Framed Charts -76 b)Laminated Charts -78 c)Foldable Charts -40 3. Preserved Speciments (Jars) - 15 4. Others - 15 Total 265
11.	Skill Lab	:	NA
12.	Sharing or Usage of the resources of other Departments	:	Yes. a)Pathology-Histopathology slides b)CIDRF c)Statistician - statistics department, d)student counsellor

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests.

1.	No. of Diagnostic Labs.	:	7 Laboratories
2.	List of Unique Diagnostic Equipments (Name and No.)	:	VITEK, MGIT, BACTEC one each
3.	List of major diagnostic services	:	Microscopy, Bacteriology (culture & sensitivity), Mycology (culture), Parasitology (PBS,QBC,ICT), Serology (ASO,CRP,RF,RPR-LAT, Widal test, Brucella agglutination test, Weil-Felix test, Leptospiral Antibody Detection), Viral serology(HbsAg,HIV,HCV,Dengue NS1Ag+ IgG+IgM), Mycobacteriology (Microscopy, culture and sensitivity), Anaerobic bacteriology Water analysis Operation theatre & ICU bacterial surveillance
4.	Avg. No. of diagnostic tests / day	:	150-200 clinical samples/day

39. List of Doctoral, Post-Doctoral Students and Research Associates:

From	Doctoral Student	Total
Host Institution / University	1	1
Other Institutions / Universities	2	2
Total	3	3

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms

C. Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are as under (common to all Departments)

Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, Curriculum for all the courses were planned, designed, modified and approved by board of studies (internal and external experts)for the respective courses

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, the suggested changes are discussed and implemented.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, depending on the feedback from the students we modify our teaching methodology to make them understand easily.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, based on the PG alumni feedback, modifications have been made in the teaching schedule.

43. List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl.No.	Name of Alumni	Institution	Designation	Place of Work
1	Dr. M.V Pravin Charles	MGMCRI, Pondy	Assistant Professor	MGMCRI, Pondy
2	Dr. Arunava Kali	MGMCRI, Pondy	Assistant Professor	MGMCRI, Pondy
3	Dr. R. Saraswathi	MGMCRI, Pondy	Assistant Professor	CMCH, Trichy
4	Dr. Sivaranjani.V	MGMCRI, Pondy	Medical officer	GH Puducherry
5	Dr.Lavanya S	MGMCRI, Pondy	Tutor	MGMCRI, Pondy
6	Dr. Deepa. C	MGMCRI, Pondy	-	-
7	Dr. Akhila Kalyani	MGMCRI, Pondy	Tutor	SVMC Pondy
8	Dr. L. Ravichandran	MGMCRI, Pondy	Private Practitioner	Kerala
9	Dr. D Sivagamasundari	MGMCRI, Pondy	Tutor	IGMCRI, Pondy
10	Dr. Diego Edwin	MGMCRI, Pondy	Tutor	CMCH,Trichy
11	Dr. Sukanya S	MGMCRI, Pondy	Tutor	DSMC, Perambalur.
12	Dr. Valentina. Y	MGMCRI, Pondy	Tutor	MGMCRI, Pondy

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE yrs

A.Number of SEPs conducted during the last Five Yrs 4

Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	CMEs / CDEs	28.3.15	MGMCRI	Dr.RadhaMadavan	Dr.Shanmugam.J
2.	Special Lectures	25.11.2014	Auditorium,MG MCRI		Dr.S.Pramodhini
3.	Conferences	April 2010	MGMCRI	Dr.PG Shivananda, Dr.T.Sundarajan	Dr.Selvaraj Stephen
		4.11.2011	HICC	Dr. AbdulGaffur, Dr. Ranganathan Iyer	Dr.Selvaraj Stephen

B.List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching

Sl.No	For UGs	For PGs
1.	Conventional-Lectures	Training in Diagnostic sections
2.	Interactive-Small group teaching (tutorials)	Interactive-Discussion on important topics by faculty
3.	Learner centric-students seminar	Seminar- Topic, culture, Journal clubs, Training in microteaching
4.	Laboratory-practical skills	Skill Laboratory
5.	Problem based learning	Posting in clinical departments (CSSD, Dermatology,Community Medicine,Pathology, Central laboratory & Animal house)
6.	Black Board	External postings in King Institute of Preventive Medicine ,Chennai for 3 mths.
7.	LCD	Encouraging them to attend CMEs and workshops
8.	Blended	Training them to take under graduate classes & practicals
9.	Smart board	Involving them in External Quality Control Programme
10.	Conventional	Involving them I Hospital Infection Control Committee works.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

By constant observation of their academic activities & evaluation methods:

- **<u>For UG</u>** (a) By conducting monthly tests, quarterly tests, End semester exams Followed by model exams (Theory & Practicals).

  (b) Conducting tutorials & presentation of seminars

- **<u>For PGs</u>**

  1. Formative assessment- Throughout the course by maintaining Log books.,

a) only observation,
b) Performance of the task under supervision and
c) Independent performance

2. Summative assessment –

a) Knowledge: (i) By conducting Sessional exams, Revision tests & Model Exams.

b) Communication skills - Topic seminar, journal club presentations
By giving them small group teaching (microteaching)

c) Practical skills - By observing demonstration taken by them in practical classes & observing various skills in diagnostic sections.

***47. Highlight the participation of students and faculty in extension activities*.**

A.Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	No. of Beneficiaries
1.	Dr. R.Kalaivani -Prevalence of soil-transmitted helminthes (STH) in school aged children in southern rural India.	2013	Total 875 school children from 15 villages in TN district.
2.	Dr.R.Kalaivani- Prevalence of soil-transmitted helminthes (STH) among school aged children in Seliamedu village	2014	930 school children

***48. Give details of "beyond syllabus scholarly activities" of the department*.**

- Recent advances
- Webinars, seminars, workshops, videoconference, on-line lectures.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by Statutory regulatory bodies –MCI /DCI/ INC.
Yes. The department is graded by External quality assurance programme. We have a DOTS centre under RNTCP. We have ICTC under NACO.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research (eg. Research publications, surveys, trials and PG dissertations and other research inputs /outputs are as under:

  - **A three year study in Rickettsial diseases in Pondicherry – conducted by Dr.Selvaraj Stephen, identified that**

    1. Pondicherry and surrounding Tamil Nadu is endemic for scrub typhus.

    2. Q fever is also present in this State. Low prevalence is seen in livestock but around 15% in human.

    3. Commercial ELISA kits for Q fever Phase 2 IgM ELISA are defective.

  - **Prevalence of soil-transmitted helminthes (STH) in school aged children in southern rural India by Dr. Kalaivani found that**

    i. The prevalence of STH among developing country got reduced remarkably from 35% to 7% which indicates increased public awareness and the beneficial effect of mass drug administration by Tamil Nadu government.

    ii. In spite of this effort, awareness and sanitation the prevalence rate has not come to 0%. So, further reinforcement is needed in this area.

- **New methods of diagnostics, tests, methods, skills for treatment and management are as under:**
  - Urine antibiotic assay to know whether the patient was on antibiotics or not.
- **Any other**
  - To bring the awareness of infection control practices among the non-teaching staffs by following standard precautions while working in order to reduce the risk (by hand washing, wearing the mask, gloves and using colour coded bags).

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Challenges	Opportunities
1.	Infrastructure is good	Less enrollment of MD students in Microbiology	Only few research papers in indexed journals with good impact factor	Opportunity available for UG students for project
2.	Good number of clinical materials for diagnostic tests and practicals	Less number of collaborative projects	Motivation of UG students for better performance	Opportunity for faculty and PG student research
3.	Healthy relationship between faculty and non teaching staff	Less number of Major projects in ICMR	Carry out qualitative research and publish articles in high impact journals	Opportunity for interdepartmental research by CIDRF
4.	Easy approachability of the faculty for both UG and PG students		Participation in MDR-TB, Rickettsial diseases and AIDS research	Automated blood culture system and Bacterial identification system and MGIT available
5.	Collaboration with other department in introducing integrated teaching			

***52. Future Plans of the Department* :**

- ***Academics:***
  - *Newer courses (UG, PG, Certificate & others)* we are starting B.Sc MLT course shortly.
  - To start an online Microbiology Journal to encourage scientific research among students and junior faculties.

- ***TLE Method:***
  - Self study and open book exam.
  - To develop an e-Museum in our department to facilitate UG & PG studies.

- ***Research:***
  - Major research projects by faculty in collaboration with CIDRF.
  - To install automated newer instruments in Microbiology laboratory.

- ***Extension:***
  - To extend the outreach diagnostic facility in the community in collaboration with Department of Com*munity Medicine, MGMCRI.*

- ***Infrastructure:***
  - Learning Resources – books, journals, and specimens to be updated.
  - To streamline the laboratory reporting using Laboratory Information System.

- ***FDPs:***
  - We plan to introduce orientation program for nursing faculties with regard to collection and transport of clinical specimens.
  - Workshop for Microbiology national conference (MICROCON, 2015)

- ***SDPs:***
  - To introduce prize examination in Microbiology before the university examination for UG students

- ***Any other***
  - Collaborative and inter-departmental research with other Institutes.
  - To conduct Microbiology Quiz competition for UG & PG students of all medical colleges in Pondicherry.
  - To conduct Microbiology essay competition for UG & PG students of all medical colleges in Pondicherry.
  - To conduct Faculty Orientation Programme in Laboratory medicine for Clinicians, jointly by Biochemistry and Pathology departments.
  - To conduct Nursing Orientation Programme

53.

a. Salient and Unique Features of the Department;-

- Automation in Microbiology: Our department is equipped with advanced automated instruments like
  - VITEK 2 system: for identification and sensitivity of bacteria and yeasts
  - BACTEC - Blood culture system
  - MGIT - for Mycobacterial culture and sensitivity
  - PCR - Molecular diagnosis
- We support the efficient diagnostic facility for Bacterial, Fungal, Parasitic and Viral infections.

- The sero-prevalence of Q fever, Spotted fever and Scrub typhus in Pondicherry - Dr. Selvaraj Stephen, (ICMR project)

- Investigation of anti- human immunodeficiency virus (HIV) effect of Indian plants (Phillanthus emblica Linn and Withania somnifera(Linn) Dunal) and a classical Siddha preparation (Thanneervittan Nai) in the laboratory HIV cell-culture system

- PI:Dr. Jayapal V, C0-PIs : Dr.K.S. Seetha & Dr. Balanehru Subramanian

b. Innovations of the Department:

- Dr. Selvaraj Stephen has identified that three commercial ELISA kits for Q fever IgM ELISA are unsuitable and recommends use of gold standard IFA test.

- Dr. Kalaivani has completed a STH pilot project title "Prevalence of soil-transmitted helminthes (STH) in school aged children in southern rural india"in collaboration with Notre Dame university USA QIUP, Malaysia, FERAL-India and SBV university – Funded by SBVU

- Dr. Kalaivani is currently carrying out studies on

  - "Selective colonization of gut microbiota in children with intestinal parasitic worm load."

  - "Identification of cultivable and non cultivable microbes from utilized medical indwelling devices and its characterization."

- We have introduced Integrated teaching and Problem based teaching for UG students.

c. Best Practices:

- Analyzing our academic and diagnostic work regularly.
- We support the academic development of UG students. Each batch in-charge acts as a mentor, councilor and an adviser, providing academic, personal and psychosocial guidance.
- We take students feedback on regular basis to improve upon our teaching methods.

****

Pharmacology

1. Name of the Department : Pharmacology

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University?

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. Names of Programs Offered

The Department offers the following programmes:

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Annual	2001	250	250	4.5/1.5 years
PG Degree	MD in Pharmacology	Annual	2008	4	4	3 years
Doctoral	PhD	Annual	2015	-	-	3 years

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1.	Basic laboratory techniques	Department of Microbiology, Biochemistry & Pathology	-
2.	Clinical posting in ECG reading	Cardiology/ Medicine	
3.	Hands-on training in BA/BE lab		Azidus Labs, Chennai

Nature of Involvement:

Part of Post graduate training as per curriculum.

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

Post graduate training in clinical trials. Post graduates from our department go for one month training every year to a Chennai based CRO (AZIDUS LABORATORIES) to get hands-on training in BA/BE studies in clinical trials.

7. Details of Programs discontinued, if any, with reasons. NA

8. Examination System: Annual

9. Participation of the Department in the Courses offered by other Departments

Name of the Course	Offered by
Teaching BDS & B.Sc Nursing students.	IGIDS & KGNC

10. Number of Teaching posts sanctioned, filled and actual

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	3	1	4
Associate Professor / Reader	2	1	1	2
Assistant Professor / Lecturers	3	2	2	4
Subtotal (1)	6	6	4	10
Demonstrator / Tutor	4	2	2	4
Subtotal (2)	4	2	2	4
Grand Total (1+2)	6+4	8	6	14

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr. K. Manimekalai	MBBS, MD	Professor and head of pharmacology	Pharmacoeconomics	18	6	2	10
2	Dr. G. Somasundaram	MBBS, MD	Professor of Pharmacology	Experimental pharmacology	14	6	1	5
3	Dr. Kumaravel	MBBS, MD	Professor of Pharmacology	Toxicology and Clinical pharmacology	15	9	-	1
4	Dr. Kingshuk Lahon	MBBS, MD	Professor of Pharmacology	Psychopharmacology and Pharmacoepidemiology	12	9	1	1
5	Dr. Kartik J Salwe	MBBS, MD	Associate Professor of Pharmacology	Experimental Pharmacology and Reverse Pharmacology	8	5		
6	Dr. Padmavathi.S	MBBS, MD	Associate Professor of Pharmacology	Clinical Pharmacology & pharmacovigilance	7	7	NA	NA
7	Dr. Jagan Mohan.R	MBBS, MD	Assistant Professor of Pharmacology	Clinical and Experimental Pharmacology	7	7	NA	NA
8	Dr. Sudarcodi	MBBS, MD	Assistant Professor of Pharmacology	Clinical Pharmacology	6	6	NA	NA
9	Dr. Johan Pandian	MBBS, MD	Assistant Professor of Pharmacology	Rational therapeutics, Pharmacovigilance, Experimental Pharmacology	5	5	NA	NA
10	Dr Mirunalini R	MBBS, MD	Assistant Professor of Pharmacology	Clinical and Experimental Pharmacology	3	3	NA	NA

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities):One***

12.List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl.NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Years of Teaching Experience	Remarks

Sl.NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Years of Teaching Experience	Remarks
1.	Dr. Samuel J. Abraham	MBBS, MS in Cardiac surgery & Ph.D from Yamanashi university, Japan.	Director, NICHE-In centre for Stem Cell Research, Chennai, Japan	Stem cell research	15	Gives lectures to post graduates every 3 months on stem cell research

13.Percentage of classes taken by temporary faculty – program-wise information: Nil

14.Program-wise Teacher Student Ratio

Programme	Teacher Student Ratio
UG	1 **:**11 for 150 1:27 for 250
PG Degree	i. : 1

15.Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Veterinary Surgeon	1	1		1
	Office executive	1		1	1
Administrative Staff	Technician	3	1	2	3
	Store Keeper/ Clerk	1		1	1
	Sweeper	3	2	1	3
Total		9	4	5	9

16. Research thrust areas as recognized by major funding agencies and SBV

Pharmacovigilance, Psychopharmacology, Pharmacoepidemiology, evaluation of Antioxidant properties of different products in animals, Pharmacological (including toxicological) properties of herbal products, comparative clinical efficacy and safety studies of newer drugs. Recognised by ICMR and SBV.

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

Six Number of Faculty of the department are involved in eight Number of Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs
University Funded / Sponsored	8	7	15	-
Total	8	7	15	-

18.Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) : Nil

19.Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned	For details refer to Qn.Nos
		Ongoing	Completed	Total		
1.	Students Projects	1	9	10	Rs: 90,000	28
	Total	1	9	10	Rs: 90,000	

20. A. Research facility / Centre available to carry out research:-

- In the department (give details of facilities in brief)**:** Department has a well equipped research laboratory (75 X 75 m) with various instruments for carrying out research in Experimental and Clinical Pharmacology (List of instruments enclosed under Sl. No. 37 D)
- In other departments (give details of facilities used by your department)**:**
  CIDRF: Faculties and PGs of our department can avail of High performance liquid chromatography instrument (HPLC) for any research activity.

Department of Biochemistry: To assess TBARS levels for assessing antioxidant activity

- In other college (give details of facilities used by your department) **: NA**
- At central level (give details of facilities used by your department) **: NA**

B.Research facility / centre with: (recognised by national and international agencies for providing assistance for research)

State Recognition / National Recognition / International Recognition: Nil
Internationally recognized institute: Nil

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:
Central animal house, sponsored by SBV to carry out research.

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals		13
International Journals		49
State Journals	1	
Total		63

B. Monographs: 3 Monographs published by involvement of all faculties.

Sl. No.	Name of the Faculty	Topic of Monograph	Print *or* Online	Year
1	All faculty	Departmental profile	Print	2010
2	All faculty	Spotlight in Chronicle News	Print & online	2011
3	All faculty	Proceedings of the lecture series on EBM Praxis	Print	2012

C. Chapters in Books: nil

D.Books edited: nil

E.Books Published with ISBN with details of publishers:

Sl. No.	Name of the Faculty	Name of book	Name of the Book / ISBN No.	Year	Name and place of Publisher
1.	Dr. Kartik J. Salwe	Antisnake Venom Property of Plant Andrographis Paniculata	ISBN-10: 3659177385 ISBN-13: 978-3659177385	2012	LAP LAMBERT Academic Publishing

F.Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of Publications in Databases							
Citation Index – Range / Average		3	9	8	30	61	17
Scopus		3	10	10	8	3	3
PubMed		2	6	3	1	3	1
WOS		1		1			
Impact factor (Range / Average)							
h-index							2.3

23. Details of Patents and income generated: Nil

24. Areas of Consultancy and income generated

A.The areas of consultancy are as follows:

Crude drug extraction, animal handling techniques, drug information and Pharmacovigilance services

B.The faculty of the department offer honorary/reciprocator consultancy in the following areas:

Sharing of expertise on preparation of herbal drug extracts and animal handling techniques for faculty and PGs of institutions under SBVU and other institutions like RGCET, Pharmacovigilance and drug information services on drug efficacy and safety for clinicians, students.

Research methodology and bioethics (human and animal), medical writing and peer review of articles for PGs and junior faculty of other departments.

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad

Sl. No.	Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
		National	International		

1.	Dr. Manimekalai K	National institute	-	Every year	Doctoral committee member- SRM university, Chennai
2.	Dr. Manimekalai K, Dr. Johan Pandian J		International institute	2013	As coordinating faculty for CIDRF to consult with NCRM for stem cell research, Chennai.
	Total	**2**			

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	**Faculty**	**National Committees**	**International Committee**	**Editorial Boards**		**Any other (Specify)**	
				N	**I**	**N**	**I**
1	Dr. K Manimekalai	4	-	2		6	-
2	Dr. G Somasundaram	1		1		5	
3.	Dr. Kingshuk Lahon	4		1		3	
4	Dr. Kartik J Salwe	2		2		2	
5	Dr. Padmavathi S	2		1		1	
6	Dr. Jagan Mohan R			1		1	
7	Dr. Sudar Codi R.	1		1		2	
8	Dr. Johan Pandian	1		1		4	
9	Dr Mirunalini R			1		1	
	Total	14	0	11	0	25	

Grand total = 48
Flow chart:

Memberships of professional bodies/societies:

IMA: Dr. Manimekalai K, Dr. Somasundaram G, Dr. Kingshuk Lahon, Dr. Sudar Codi R, Dr. Johan Pandian

IPS: Dr. Manimekalai K, Dr. Kingshuk Lahon, Dr. Kartik J Salwe, Dr. Padmavathi S, Dr. Sudar Codi R

ISRPT: Dr. Kartik J Salwe

SOPI: Dr. Kingshuk Lahon

DIA: Dr. Kingshuk Lahon, Dr. Padmavathi S

Post-doctoral committee: Dr. Manimekalai K, for SRM University, Chennai

Editorial boards: All faculty are members of the editorial board of Phi Sci, the wall journal of the department of Pharmacology, MGMCRI

Dr. Manimekalai K and Dr. Kartik J Salwe are members of editorial board of Journal of Evolution of Medicine and Dentistry and The Health Agenda, both national journals.

Any other:

SBVU BOS: Dr. Manimekalai K, Dr. Somasundaram G, Dr. Kingshuk Lahon, Dr. Kartik J Salwe, Dr. Sudar Codi R, Dr. Johan Pandian
IAEC

MGMCRI: Dr. Manimekalai K (Chairman), Dr. Somasundaram G (Biological scientist)

For other institute: Dr. Somasundaram G as external member for AVMC, Pondicherry

Pharmacy council: Dr. Manimekalai K, Dr. Somasundaram G, Dr. Johan Pandian (convener)
HICC: Dr. Manimekalai K
Institutional Pharmacovigilance committee: Dr. Manimekalai K, Dr. Somasundaram G, Dr. Kingshuk Lahon, Dr. Kartik J Salwe, Dr. Padmavathi S, Dr. Jagan Mohan R, Dr. Sudar Codi R, Dr. Johan Pandian, Dr Mirunalini R

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended 788 no. of FDPs.

  (International: 46, National: 45, State/University/College - 697).

- On an average, each faculty attends 22 FDPs in a year (calculated for the last 5years).

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs: 7	Total

		State / University Level	National Level	International Level	
1	Workshops	30	9	6	45
2	Seminars / Symposia / Conferences	29	23	31	83
3	CMEs/CDEs/MET/DET/Clinical meets	91	5	2	98
4	Special Lectures	474	0	0	474
5	Any other	73	8	7	88
	TOTAL	697	45	46	788

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28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	1	9	10
2.	Any other UG Students Projects sponsored by SBV or Others	-	2	2
3.	No. of PG Dissertations based on Research Work	4	17	21
4.	Any other Projects done by PG Students other than Dissertations	4	4	8
	Total	9	32	41

- Percentage of students who have taken up in-house projects including Inter-departmental projects :

  8 out of 21(38.09%) PG students in Pharmacology.

  Percentage of students doing projects in collaboration with other universities / Industry / institute : Nil

- **Details of Students STS ICMR Projects**:

Sl. No	Name of the Student	Name of the Guide	Year	Title of the Project	Amount Sanctioned	Outcome in Short
1.	Mr. Gowtham K	Dr. Kartik J Salwe	2011	HDL/LDL ratio as a risk factor in Type 2 Diabetes mellitus	10,000	Type II DM is strongly associated with increased LDL, decreased HDL & there is significant correlation between HDL: LDL ratio & HbA1c
2.	Mr.Visakan	Prof. K. Manimekalai	2013	Evaluation of effect of antiepileptic drugs on serum lipid profile among young adults with epilepsy in a tertiary care hospital in Pondicherry.	10,000	CYP enzyme inducer antiepileptics (phenytoin, oxcarbamazepine) are associated with increased levels of TC, LDL-C, HDL-C & TG, whereas Levitiracetam & Valproate showed no significant change
3.	Ms.Monica Shanmugam	Dr. Somsundaram G	2013	Comparative study on the effect of antihypertensives on serum electrolytes and its implication in essential hypertension.	10,000	Magnesium levels in patients of essential hypertension were not altered significantly when combination of antihypertensives were administered

4.	Ms.Dharani Kalyanasundaram	Dr. Kartik J. Salwe	2013	A study on polypharmacy and drug interactions among elderly patients admitted in Department of Medicine of a tertiary care hospital in Puducherry.	10,000	Polypharmacy leading to increased adverse effects was observed for elderly patients especially for those with renal dysfunction. But when the number of drugs per patient was reduced from 15 to 5, better efficacy was seen more than the adverse effects.
5.	Mr. Athipathi S.	Dr. Jagan Mohan R.	2013	Efficacy adaptability and acceptance of pictographs as non-verbal communication in hospital.	10,000	
6.	Ms. Samiya Khan	Dr. Sudar Codi R.	2013	A comparative study between prescribing patterns of private practitioner and physicians of a tertiary care hospital in semi-urban areas of Puducherry	10,000	Private practitioners practice more irrationally compared to physicians working in a tertiary care hospital
7.	Ms. Rajkumari Laisana,	Dr. S. Padmavathi	2014	Dose and Time Dependent Effects of Statins on the risk of Development of New Diabetes Mellitus.	10,000	Significant rise in the mean random blood glucose and HbA1c levels was seen after statin therapy
8.	Ms. Abhinaya,	Dr. Sudarcodi R.	2014	Comparison of the Efficacy and Safety of Combination Therapy using Topical 1% Clindamycin with 0.1% Adapalene and Topical 2.5% Benzoyl Peroxide with 0.1% Adapalene in the	10,000	Both combitions are equally effective in treatment of acne vulgaris. The combination of Benzoyl Peroxide with 0.1% Adapalene caused mild skin irritation.

				Treatment of Mild to Moderate Facial Acne Vulgaris a Randomised Prospective Study		
9.	Mr. Deepan	Dr. Kumaravel S	2012	Evaluation of wound healing property of lutein nanoparticle in rat burn model	10,000	Lutein nano particle has significant wound healing property in rat burn model
10.	Ms. M. Soundharya	Dr. Sudarcodi	2015	Comparison of the efficacy and safety of tapentadol versus tramadol in osteoarthritic knee pain- randomized control trial		Ongoing project

29. ***Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students***

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	International Level	Total	State/ University Level	National Level	International Level	Total
1.	Faculty	3			3			1	1
2.	Doctoral/Ph.D	-	-	-	-				
3.	Students UG/PG	1	1	2	4				1

The details of the awards and recognition received by the faculty/students are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1.	Dr. Kingshuk Lahon	Subject expert in drug utilization studies	National	August 2012
2.	Dr. Kingshuk Lahon	Commendation and cash award for four research publications	University	Jan 2012
3.	Dr. Kingshuk Lahon	Commendation for services rendered to MGMCRI	University	August 2009
4.	Dr. Somasundaram G	Popular teacher award for IInd MBBS	University	November 2014
5.	Dr. Kartik J Salwe	Commendation for services rendered to MGMCRI	University	August 2012
6.	Dr. Harsha M Shetty	Special award for best paper	National	Jan 2009.
7.	Dr. Harsha M Shetty	Best poster presentation award	International	Nov 29th – 30th

				2012.
8.	Dr. Jagan Mohan R	Young Scientist award	International	26th -27th Feb 2010.
9.	Dr. Johan Pandian J	Best paper award (2nd Prize)	State	26thApril 2012.

30. Seminars / Conferences / Workshops/Others organized and the source of funding

Total Organized: 18

(International: 1 National: 4; State: 4; University: 2; College: 11).

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U /C/ S	No. of Resource Persons I / E
1.	Conferences	State Conference of Puducherry chapter of IPS, 18th October 2012 State Conference of Puducherry chapter of IPS 12th February 2015 South zonal conference on Pharmacology for undergraduates	65 74 200	SBV SBV SBV	S S N	1 External 1 External, 1 Internal

2.	Seminars	International symposium on Stem Cell Therapy May 14, 2010	305	SBV	I	5 External
3.	Workshops	Work shop on essential medicines 21st & 22nd April 2009 Workshop on rational prescribing of medicines, Nov 2009	70 85	SBV SBV	C U	2 External 2 Internal
4.	Skill based training	-	-	-		
5.	CME / Clinical meeting	CME On Personalized Medicine & Chronopharmacology 30th March2011 CME On EBM Praxis, 20th April 2012	261 180	SBV SBV	N N	3 External, 1 internal 2 Internal, 3 External
6.	Any other (Guest lecturers; training/ induction programs)	In-house presentation on LCMS by Waters Laboratories 5th March, 2015 Intra & Inter-college quiz competition in Pharmacology	30 2010: 28 teams with 3 participants in each (84) 2011: (20+7) teams with 3	SBV	C C C (Intracollege) + S	1 External 1 Internal 2 Internals

			participants in each (60+21)	SBV	(Intercollege)	
			2012: (16+55) teams with 3 participants in each (48+165)	SBV	C (Intracollege) + N (Intercollege)	2 Internals 1 Internal
			2013: 14 teams with 3 participants in each (42)	SBV	C	1 Internal
		Mini lecture competition for UGs in 2010, 2012	2014 -33 teams with 2 participants in each (66)	SBV	S C	
		Prescription writing competition for UGs, PGs & Interns in the year 2009	20 in 2010 14 in 2012	SBV	C	
		Power point preparation competitions for UGs in 2011, 2012 and 2013	85 71 in 2011 14 in 2012 24 in 2013	SBV	U C C C	
	Total	22	1986			29

N: National; I: International; U: University; C; College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments

ICMR'S Ethical Guidelines for Biomedical Research on Human Participants CDSCO's GCP, ICH, GCP, Schedule Y Drugs and Cosmetics Act 1940, CPCSEA guidelines for use of laboratory animals for experimentation.

All the projects in which Human volunteers and Patients are involved have to take permission from

Institutional Human Ethics Committee similarly, all the projects related to Animal studies have to take permission from Institutional Animal Ethics Committee after clearance from institutional research council.

32. Student Profile program-wise - Students enrolled and performance:

A. PG Students

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree / Diploma	2009-2010	3	3	3	100%	1+2=3
	2010-2011	3	3	3	100%	3+0=3
	2011-2012	4	4	4	100%	4+0=4
	2012-2013	4	4	4	100%	2+2=4
	2013-2014	4	4	4	100%	2+2=4
	2014-2015	-	-	-	-	-
UG Degree	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

b.Performance in University Examinations:

Name of the Course *(Refer to Question no. 4)*	Number of students completed PG Studies and Pass percentage during the past Five Academic Years				
	Academic Year	Candidates Appeared	Candidates Passed	Pass %	Remarks (Gold Medalist, if any)
	2009-2010	-	-	-	-
	2010-2011	3	3	100%	Dr. Harsha M Shetty
	2011-2012	3	3	100%	Dr. Messaline Sunitha

	2012-2013	3	3	100%	Dr. Pandiamunian J
	2013-2014	4	4	100%	Dr. Tulasi Raman P
	2014-2015	4	3	75%	Dr. Mirunalini R

Performance in University examinations conducted by SBV:

Name of the Course	**Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years**				
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**
UG Degree (MBBS)	**2009-2010**	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

A.PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of Students from SBV**		**No. and % of students from other Universities Within Pondicherry**		**No. and % of students from Universities Outside Pondicherry**				**No. and % of Students from Other Countries (Outside India)**	
						From TN		**Other States**			
PG Degree	**2009-2010**	-	-	6	12.5	29	56.8	16	33.3	-	-

(MD / MS)	**2010-2011**	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-

B.UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of students from within Pondicherry**		**No. and % of students from Outside Pondicherry**				**No. and % of Students from Other Countries (Outside India)**	
				From TN		**Other States**			
UG Degree (MBBS)	**2009-2010**	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise. Nil

35. Student Progression

Student progression	**No. & % against enrolled**
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	a. 1 out of 21 (4.76%) b. 6 out of all UG students
PG to Ph.D. a.SBV to SBV b.SBV to Other Institutions	 1

Student progression	No. & % against enrolled
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	a. 6 out of 21 (28.6%) b. 5 out of 21 (23.8%) in other colleges and universities and 2 in clinical research industry
Entrepreneurs / Self Employed / Practitioners from among the Dept. PG / Super speciality students	1 (Practitioner)

36. ***Diversity of Staff***

Percentage of faculty who are graduates	UGs	PGs
of the same University	-	6
from other Universities within the State	1	
from Universities from other States	7	5
from Universities outside the Country	1	

37. ***Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.***

A.Before joining SBV: NIL

B.After joining SBV (2008 – 2015):

MBA in marketing management in the year 2012 (IGNOU) - Dr. Kingshuk Lahon

Professional diploma in clinical research in the year 2014 (PDCR) from Catalyst clinical services- Dr. Kingshuk Lahon

Professional diploma in clinical research in the year 2014 (PDCR) from Catalyst clinical services - Dr. Somasundaram G

Professional certificate in pharmacovigilance in the year 2015 (PCPV) from Catalyst clinical services

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
1.	No. of Books	699	204
2.	No. of Journals	4	3
3.	No. of e-Journals	19	15

4.	P.G. Dissertations	17	17
5.	Project Reports of UG	-	9
6.	Project Reports of PG	17	17
7.	Project Report of Faculty	-	7

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	10	10

C. ***Total Number of Class Rooms, Seminar Halls etc. available for the Department.***

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms		7
2.	Seminar Halls	2	5
3.	Demonstration Rooms	4	-
4.	Auditorium	-	-
5.	Class rooms with ICT facility	3	7
6.	Seminar Hall with ICT facility	1	2

7.	Students' Laboratories at the Department	:	Two (Experimental & Clinical Pharmacology) with a capacity of 75 each. Clinical Laboratory is equipped with LCD projector and seating capacity for 75 students
8	Research Laboratories at the Department	:	One Research Laboratory: Space is 75 Sq m. It is equipped

			with all the instruments which are required for research purpose both for Undergraduate and postgraduate students**.**
9.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	**:**	109 charts, 36 photographs of medicinal plants and history of Pharmacology and Medicine, 12 photographs of scientists displayed in corridor, 20 crude drug specimens, 31 drug preparations and list of drugs in the EML. Pictures of history of Pharmacology and medicinal plants, drug mechanism models, adverse drug reactions, novel drug targets, molecular pharmacology
10.	Skill Lab	**:**	Hands-on training for routes of drug administration
11.	Sharing or Usage of the resources of other Departments	**:**	The department utilizes CIDRF, Biochemistry, Pathology and Microbiology labs for research activities

D. List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests.

List of Instruments

S. No	Name of the Instrument	Qty.
1.	Digital Rota Rod	1
2.	Hot plate	1
3.	Super Speed kymograph	2
4.	Rudolph Magnus Organ bath	6
5.	Histamine Chamber	1
6.	Audiogenic test Chamber	1
7.	Medicraft Brightness Discrimination Apparatus	2

8.	Digital PH Meter	1
9.	Rectangular Water Bath	1
10.	Photoactometer	1
11.	Flicker Fusion Apparatus	1
12.	Digital Conductivity Meter	1
13.	Peak Flow Meter	1
14.	Bicycle Ergometer	1
15.	Hand Grip Dynamo Meter	1
16.	Tablet disintegration Apparatus	1
17.	Analgesiometer	1
18.	Digital Photo Colorimeter	1
19.	Spectrophotometer	1

39. List of Doctoral, Post-Doctoral Students and Research Associates: nil

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms

C. Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are in criteria 5

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

MD Pharmacology course was introduced by SBVU in the academic year 2008-09.

To help the department participate in research activities with clinical departments in order to sensitize them to concepts of rational therapeutics through collaborative audit and research projects.

42. Does the department obtain FEEDBACK from

a.Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does

the department utilize the feedback?

Yes. Feedback is encouraged on curriculum and teaching-learning evaluation and analyzed at the departmental meetings, BOS meetings and suggestions for improvement are discussed by the faculty for future implementation.

Based on feedback, curricular changes have been implemented for II BDS and MD Pharmacology syllabi.

b.Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, written feedback is taken from the students after the lecture portions are over.

Verbal feedback is also encouraged for improving the teaching learning methods. Any suggestions for improvements in curriculum are also taken from each batch of students.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback from alumni is taken and conveyed to the management.

43. List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1	Dr. Jagan Mohan	MGMCRI	Assistant Professor	Pondicherry
2	Dr. Jacob Jesuran	SSSMC&H	Assistant Professor	Chennai
3	Dr. Harsha M Shetty	James Cook University	Clinical research assistant for trials on vascular medicine	Australia
4	Dr. Johan Pandian	MGMCRI	Assistant Professor	Pondicherry
5	Dr. Lavakumar	SSSMC&H	Assistant Professor	Chennai
6	Dr. Sabari Selvan	-	Physician	Thiruvarur
7	Dr. Rajesh Kumar	Abbott labs	Scientific advisor, Medical marketing	Bangalore
8	Dr. Tulasi raman	Bluefish pharmaceuticals	Medical qualified person for pharmacovigilance	Bangalore
9	Dr. Narayanasamy	AVMC&H	Assistant Professor	Pondicherry
10	Dr. Padmavathi	MGMCRI	Associate Professor	Pondicherry
11	Dr. Messaline Sunitha	Sree Gokulam Medical College & Research Foundation	Assistant Professor	Trivandrum, Kerala

12	Dr. Pandiamunian	VMMC	Assistant Professor	Karaikal
13	Dr. Sudar Codi R	MGMCRI	Assistant Professor	Pondicherry
14	Dr. Femi Jas	Pariyaram Medical College	Assistant Professor	Kannur, Kerala.
15	Dr. Mirunalini	MGMCRI	Assistant Professor	Pondicherry

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

1.Number of SEPs conducted during the last Five Years
Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Special Lectures				
2.	Workshops / Hands on Training	2	MGMCRI	Dr. RatindeJhaj Dr. Balakrishan S	Dr. ManimekalaiK Dr. Reena
3.	Special Seminars	1	MGMCRI	Dr. Samuel Abraham Dr. SR Subramaniyan Dr. Manjunath Dr. Preethy S Dr. Dedeepiya Devaprasad	
4.	Training Programmes				
5.	CMEs / CDEs	2	MGMCRI	Dr. Swanand Pathak Dr. Shewade Dr. Meena Shrivastava Dr. Sivagnanam Dr. Raghunanthanan Dr. Gowri	Dr. Mohamad Hanifah Dr. Jagan Mohan R Dr. Ananthakrishnan N
6.	Clinical Meetings				
7.	Conferences	3	MGMCRI	Dr. Ruckmani Dr. Gitanjali B Dr. Raveendran	Dr. Mohamad Hanifah

8.	Value Added Lectures	10	MGMCRI		Dr. Jagan Mohan (2) Dr. Balachander Dr. Kingshuk Lahon (3) Professor Partha sarathy T Professor Srinivasan Dr. Shobana Dr. Biswajit Dey Dr. Ganesan TS
9.	Any Other	9	MGMCRI		Dr. Kingshuk Lahon (4), Dr. Padmavathi S (2), Dr. Sudar Codi R (1)
	Total	27			

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching

Sl. No	For UG	For PG
1.	Mini Lectures	Seminars
2.	Quiz	Short talks
3.	Group Discussions	Journal clubs
4	Crosswords	Hands on training
5	Power point competition	workshops
6	Integrated teaching Sessions.	Webinars on recent advances and therapeutics (Knowledge Genie, Abbott)
7	Computer assisted learning using experimental pharmacology software	Computer assisted learning using experimental pharmacology software

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

By Frequent feedback by students on Faculty and on Curriculum

By conducting Part completion tests

By organizing Parent teacher meeting

47. Highlight the participation of students and faculty in extension activities.

a. Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	No. of Beneficiaries
-	NA	NA	NA

48. Give details of "beyond syllabus scholarly activities" of the department.

- Recent advances/ demos of latest skills/ demos of new equipments; CMEs, DETs, METs, NETs, Clinical meetings SBV-AHEAD / SAF / MEU / DEU / NEU
- Arranged for demonstration of LCMS in the department using external resource person.
- Faculty and PGs have been organizing members for SAF activities, CMEs and conferences, workshops on research methodology and thesis writing
- Faculty participated in workshops on question bank and question paper setting, OSPE, OSVE, organized by SBVU and MEU
- Attended faculty development programme for medical education organized by MEU, MGMCRI.
- Faculty and PGs attend SAF meetings on regular basis.
- Faculty and PGs attend CMEs conducted by other departments on regular basis
- Webinars, seminars, workshops, videoconference, on-line lectures.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by Statutory regulatory bodies –MCI /DCI/ INC.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

(in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Infrastructure for teaching, drug information and pharmacovigilance services and research	Lack of adequate inter-departmental activities in teaching, services and research	More focus on Inter-departmental activities	To find out areas for collaboration in integrated teaching (horizontal and vertical), Clinico-Pharmacology meetings for improved ADR reporting, collaborative projects for research and to coordinate with relevant departments for implementation

2.	Innovative teaching practices by inculcating students' interest in subject	Lack of effective use of Learning management systems for teaching-learning activities	Using learning management systems for facilitating e-learning by students	To introduce more innovative teaching practices so that students' self-learning process improves
3.	Functioning Pharmacovigilance and Drug Information Services (DIS) catering to the clinicians in the hospital.	Lack of extension activities like building awareness about safe, effective and affordable use of medicines and dangers of self-medication to the public.	To extend drug information services to the lay public	To take part in health camps and rallies to build awareness on safe use of medicines, convey relevant drug information in public contact programmes on special occasions. Using simple layman terms on a notice board for disseminating public health information related to safe and effective use of medicines.
4.	Good volume of research publications based on original research as well as reviews	Lack of adequate research published in high impact factor journals Lack of research projects funded by external agencies like DST, ICMR (except STS), DBT	To aim for: Research which can be published in high impact factor journals Research projects funded by DST, ICMR (except STS), DBT	To raise the quality of research output from the department so that they are published in high impact factor journals To come up with feasible proposals for grants from funding agencies for research
5.	Organised and co-ordinated unit with Participative management, Motivation and Team work which has helped in conducting many scientific and academic events	Lack of adequate inter-departmental co-operation in organizing the events	To aim for more inter-departmental co-operation in organizing the events, taking the help of SAF or MEU for better co-ordination	To find topics for CMEs in Pharmacology, where we can get the relevant departments involved in the organization, planning and implementation of scientific sessions

52. Future Plans of the Department :

- The department seeks to continue and improve upon teaching learning methodology, newer animation modules, models for better understanding of structure activity relationships and mechanisms of action of drugs.

- Procurement of a full-fledged CAL-lab, HPLC for Therapeutic drug monitoring, psychomotor testing modules, instruments for nerve conduction studies, pulmonary function testing, improved Human Pharmacology lab.
- Establishment of a postgraduate museum for catering to recent advances in Pharmacology.
- To upgrade activities in Drug Information Services (DIS) and Pharmacovigilance
- To initiate the establishment of a Hospital Drugs and Therapeutics Committee for safe and effective use of medicines in the hospital.
- Conducting CMEs, workshops and seminars on Clinical and Basic Pharmacology, Clinical Research, frontier areas in Pharmacology such as, Pharmacogenomics, Nanomedicine, Pharmacoeconomics, Stem cell therapy etc.
- Extension of research activities to other departments in the hospital and other institutes through collaborative research projects.
- Improving the standards of the existing animal house facility for improvement in experimental pharmacology research.
- Establishment of a medicinal plant garden in the campus.

53.

a.Salient and Unique Features of the Department

- Apart from the required infrastructure for teaching/learning in Pharmacology as per MCI norms, the department is equipped with:
- A research laboratory equipped with instruments which are required for teaching and research purpose mainly for faculty and postgraduate students in Pharmacology**.**
- A museum with charts, photographs of medicinal plants and history of Pharmacology and Medicine, crude drug specimens, drug preparations and list of drugs in the WHO-EML and National list of Essential Medicines, e-museum with pictures of history of Pharmacology and medicinal plants, drug mechanism models, adverse drug reactions, novel drug targets, molecular pharmacology.
- There is a wall journal (Phi Sci) which caters as a learning resource for UG and PG students in Pharmacology.
- There is a Pharmacovigilance (ADR monitoring) room in the hospital block which also caters to drug information services.

b.Innovations of the Department

Phi Sci wall journal for development of writing & editorship skills for PGs and creating awareness among UGs and PGs about recent advances in Pharmacology and clinical research, standard treatment guidelines and rational therapeutics, drug safety issues etc. It also has a students' corner for generating interest, consisting of crosswords, puzzles related to Pharmacology, quiz section etc.

Power Point preparing competitions for UGs in order to develop their skills in preparing PPTs on topics in Pharmacology.

Mini lecture competitions for UG students (intra and inter-college) for developing their presentation and delivery skills on selected topics.

c.Best Practices

Quiz Programmes in Pharmacology for UGs at college, inter-college, state and regional levels, crosswords for PGs and UGs in order to generate interest in the subject.

Annual awards for best student, best all-rounder and best attendance for motivating them to perform better (both PGs and UGs).

ADR reporting and drug information query resolving services for better patient care.

****

COMMUNITY MEDICINE

1. Name of the Department : Community Medicine

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University?

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. Names of Programs Offered

The Department offers the following programmes:

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Semester	2001	250/150	591	4.5+1 yrs
PG Degree	MD	Annual	2009	4	4	3 yrs
Doctoral	Phd	Annual	2013	8	1	3 yrs

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1	MD Clinical postings	General Medicine, Psychiatry, Dermatology, Obstetrics & Gynecology, Pediatrics.	
2	MD- office postings		Offices of the national programmes (eg: RNTCP, NACP) Vector Control Research Center, Directorate of public health
3	UG – Clinical Postings	Medicine, Paediatrics, OB&Gyn, Pulmonary Medicine, Microbiology, Anatomy, Physiology, Clinical Skills Center	

Nature of Involvement:

MD Clinical postings- The role of clinical departments in these postings are to provide knowledge and skills in various diseases of public health importance.

MD- office postings- The role of the above mentioned offices is to provide the knowledge and administrative skills pertaining to planning, implementation, management and evaluation of various health services.

UG teaching to demonstrate the integrated nature of health and disease, strategies to promote health, prevent disease and for early detection, treatment and follow up of diseases.

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

- Training for social workers- St.Josephs, Pondicherry University
- Post Graduate Diploma in Health Professional Education (PGDHPE)
- Dental health professional training
- Basic Life Support & Advanced Cardiac Life Support (American HA)
- Field training for international Medical students - Glasgow University 2012, Texas 2015 visited.

7. Details of Programs discontinued, if any, with reasons. NIL

8. Examination System : Annual

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
Basic Life Support (BLS)	Medical Simulation center and skills lab	American Heart Association
Advanced Cardiac Life Support (ACLS)	Medical Simulation center and skills lab	American Heart Association
Medical Social Worker (MSW)		St. Josephs College of Arts & Science, Cuddalore
Medical Social Worker (MSW)		Pondicherry University, Pondicherry
Post Graduate Diploma in Health Professional Education (PGDHPE)	SBV AHEAD	SBV University, Pondicherry
Dental health professional training	Dental Education Unit	SBV University, Pondicherry

Nature of Involvement:

Faculty from Community Medicine department has undergone a course for trainer offered by American Heart Association. This faculty was involved in training the students in Basic Life Support and Advanced Cardiac Life Support.

Our department provides training to students undergoing medical social worker

courses from above mentioned universities. The training incorporates exposure to heath centers, village surveys and organizing camp.

10. Number of Teaching posts sanctioned, filled and actual

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	4	0	4
Associate Professor / Reader	3	2	0	2
Assistant Professor / Lecturers	8	6	1	7
Subtotal (1)	12	12	1	13
Demonstrator / Tutor	6	2	4	6
Senior Resident	0	0	0	0
Junior Resident	0	0	0	0
Subtotal (2)	6	2	4	6
Grand Total (1+2)	18	14	5	19

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Yrs of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr. N. Seetharaman	MBBS, MD	Professor & HOD	Community Medicine	11	2	1	1
2	Dr. K. A. Narayan	MBBS, DPH,MD	Professor	Community Medicine	33	2	1	1
3	Dr. Rajkumar Patil	MBBS, MD	Professor	Community Medicine	10	5	2	1
4	Dr. Partha Nandi	MBBS, MD	Professor	Community Medicine	8	8	1	1

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Yrs of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
5	Dr. Abhijit Boratne	MBBS, MD	Associate Professor	Community Medicine	6	4	0	0
6	Dr. C. Kameshvell	MBBS, MD	Associate Professor	Community Medicine	6	<1	0	0
7	Dr. Sachin B Palve	MBBS, MD	Assistant Professor	Community Medicine	4	<1	NA	NA
8	Dr. P. Kanagaraj	MBBS, MD	Assistant Professor	Community Medicine	3	3	NA	NA
9	Dr. P. Vaithiyanathan	MBBS, MD	Assistant Professor	Community Medicine	2	2	NA	NA
10	Dr. S. Vijayalakshmi	MBBS, MD	Assistant Professor	Community Medicine	1	1	NA	NA
11	Dr.Jayaramachandran	MBBS, MD	Assistant Professor	Community Medicine	1	1	NA	NA
12	Dr. Raj Kumar	MBBS, MD	Assistant Professor	Community Medicine	<1	<1	NA	NA
13	Mr. Lokeshmaran	M.Sc, M.Phil	Assistant Professor	Bio-statistics	6	6	NA	NA

b. Faculty of the Department as Ph.D Guides: (at SBV & other Universities):

Sl. NO	Name of the Faculty as Ph.D Guide	No. of Ph.D Students Registered at SBV under the Faculty	
		Guiding	Guided
1.	Dr. K.A.Narayan	2	-

c. Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students:NIL

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl. NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Yrs of Teaching Experience

Sl. NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Yrs of Teaching Experience
1.	Prof. D.K Srinivasa	MD (Community Medicine)	Former dean JIPMER, Consultant Med. Edn. RGUHS	Community Medicine	40
2.	Prof. A. Nalaini	MD (Pathology)	Former Director of ME MGR Univ and Saveetha Univ	Medical education	40
3.	Prof. Jambulingam	Phd	Director Vector Control Research Center	Vector control and environmental Studies	31
4.	Prof. Sabesan	Phd	VCRC	Geographical Information Systems	26
5.	Prof Zile Singh	MD	PIMS, Pondicherry	President State STS	38
6.	Prof. K.V. Deviprasad	Phd	Prof of Environmental Studies, Pondicherry University	Environmental Studies.	32
7.	Prof Anil Purthy	MD	Prof of Community Medicine, PIMS	State STS officer, TB control	14
8.	Prof. Thomas Chacko	MD	Prof of Community Medicine, PSG Coimbatore	Head of FAIMER, Regional Institute	35
9.	Prof Gautam Roy	MD	Prof of Community Medicine, JIPMER, Pondicherry	Medical education	18
10.	Prof. Ethiraj	MD	Prof of Community Medicine, Annamalai University	Environment & Health	32

13. Percentage of classes taken by temporary faculty – program-wise information: NIL

14. Program-wise Teacher Student Ratio

Programme	Teacher Student Ratio
UG	1 :22
PG Degree	1 :2
Ph.D	1:1

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Social worker	4	2	2	4

	Staff Nurse	2	-	2	2
	Pharmacist	-	2	-	2
	Lab technician	3	2	-	2
	ANM	-	-	4	4
Administrative Staff	Clerk	3	-	2	2
	Attender	5	3	1	4
Total		17	9	11	20

16. Research thrust areas as recognized by major funding agencies and SBV

Epidemiology including Spatial Epidemiology, Medical education, Tuberculosis, community psychiatry, geriatrics, maternal and child health, environmental health.

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

Twelve Faculty of the department are involved in about 40 ongoing or completed Research Projects. These are either externally or self -funded.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received
International Funding Agency	1	-	1	Rs.300000 Funds awaited
National Funding Agency	2	-	2	Rs. 200000
University Funded / Sponsored	-	02	02	Rs. 80000
Department / Self Funded	12	28	30	Rs. 160000
Total	15	30	45	Rs. 440000

* Our faculties in the previous institutes have carried various funded research projects More than 50 lakhs projects completed before joining SBV

Details of the Projects:

a. **Ongoing Projects:** The department currently has 15 ongoing projects on various socially relevant issues.

b. **Completed Projects:** our faculties have completed more than 30 research projects till date.

***18.* Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) :**

The Department has total 1number of Collaborative Projects. 2 numbers of faculties of the

department are involved in the said Collaborative Projects.

Abstract of Collaborative Projects:

No. of Projects from	Number of Ongoing Collaborative Projects	Number of Completed Collaborative Projects	Total	Funds Received in Lakhs
National funding agency	01	-	01	
Total	01			

Details of the Collaborative projects:

A.National Collaboration: (Total 1; Ongoing: 1)

Sl.NO.	PI, Co-PI and Project Title	Name of the collaborating Institutions / Industries	Funding Agency	Grant received in Lakhs	Duration	Ongoing / Completed
01	PI = Dr. K A Narayan, Co-PI = Dr. Kanagaraj	FERAL (Foundation for ecological research, advocacy and learning)	Project awaiting Govt Clearance	Proposed	Three yrs	Ongoing

19. **Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.**

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned	For details refer to Qn.Nos
		Ongoing	Completed	Total		
1.	Faculty Projects	15	30	45	4.4 Lakhs	17
2.	Inter-institutional Collaborative Projects	1	-	1	Sanctions awaited	18
3.	Students Projects	7	24	31	70,000	28
	Total	23	54	77	5.1 Lakhs	

20. **A. Research facility / Centre available to carry out research :-**

- In the department:

  i) The community *is* our department's laboratory, in the broad sense. We have a core population of 15,000 under field practice area of MGMCRI i.e. Rural Health Training Health Center (RHTC), Seliamedu and Urban Health Training Center (UHTC),

Ariyankuppam, and additional population of 15,000 under other health centers namely City Center, Pondicherry, Life Help Center for Rural Rehabilitation and Development, Metupalayam, Muna Hospital, Parangipettai, Shasun Industrial Health Centre, SIPCOT, Village Knowledge centre for conducting field based studies. The population in the core area is enumerated. The field practice area includes 2500 school going population.

ii) Access to Medical Records Department for using hospital based data.

iii) Separate room for research lab, provided with three computers out of which two having internet connectivity.

iv) Book section library and Journal section library.

- In other departments (give details of facilities used by your department) : We regularly sent stool samples collected during school health services to department of Microbiology for parasitological study.
- In other college:

  PHL-We routinely utilize the services of public health laboratory, Pondicherry for monitoring the quality of water supply in MGMC&RI campus

  PONDICHERRY UNIVERSITY-The department has MOU with the department of Ecology, Pondicherry University and seeks their inputs regarding health waste management

  VCRC-The post-graduates are posted at Vector Control and Research Centre, Pondicherry and trained in entomology and integrated vector control. Their expertise was regularly utilized for entomological survey and vector control within the campus and catchment area of health centres.
- At central level:

CIDRF- the Central Interdisciplinary Research Facility is available for conducting advanced laboratory based research at molecular and genetic level.

Central lab: Lab investigations such as hemogram, complete blood count, lipid profile, liver function test, renal function test, Malaria peripheral smear, Filaria test, sputum acid fast bacilli, serum electrolytes, Blood sugar,Glycosylated hemoglobin and urine sugar and albumin were done in central

Research laboratory.

B.Research facility / centre with: (recognized by national and international agencies for providing assistance for research)

The institution has a High quality medical simulation center/ Skills lab that is recognized by American Heart Association to Basic & Advanced life support training programmes.

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies
SBV: CIDRF

22. A. Research Publications:

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	46	44
International Journals	47	16
State Journals	1	0
S.B.V. University Journals	3	7
Total	97	67

B. Monographs: Total 17 Monographs published by 9 Faculty.

C.Chapters in Books: Total 9 Chapters in books published by 3 Faculty.
D.Books edited: Nil

E.Books Published with ISBN with details of publishers:

Total 3 Books with ISBN published by 2 Faculty.

F.Number of Research articles / publications listed in International Database

	2009	2010	2011	2012	2013	2014	20015
No. of Publications in Databases	2	9	18	18	5	20	8
Citation Index – Range / Average							
Scopus	1	-	4	8	2	1	1
PubMed	-	2	4	2	2	1	-
WOS	-	-	-	2	1	-	-

23. Details of Patents and income generated:

As on date the department has not filled/ obtained any patents

24. Areas of Consultancy and income generated,

a. Industrial Health:

i) The University had signed a MOU with CHEMPLAST, Puducherry and had conducted master health checkups, rendered OP services and organized disaster response drills for workers in 2011.

ii) The University in collaboration with SHASUN, SIPCOT-Cuddalore had opened a in campus industrial health centre in 2015. The centre provides OP & referral service for industrial workers and general public

iii) Neyveli Lignite Corporation (NLC) had requested the University to provide school health services to children studying in schools within Neyveli Township.

b. National health Programme:

Post-graduates in the department were been routinely posted as external observers for intensive pulse polio programme since 2011.

c. Bio-statistics:

The department provides consultancy in bio-statistics for various projects of under graduates, post graduates, faculties and research scholars.

d. Medical Education:

The department offers Post Graduate Diploma in Health Professional Education (PGDHPE) and regularly conducts workshops on medical education for faculties.

e. Training centre:

The department had been recognized as a training centre by Pondicherry University, Vellore Thiruvalluvar University and Madurai Kamaraj University for students pursuing Master in social work (MSW).

f. Research Methodology:

We routinely conduct workshops and hand on training in research methodology for under graduates, post graduates, faculties and research scholars from SBV University and other Institutes.

25. Faculty selected Nationally / Internationally to Visit other Laboratories institutions /

Industries in India and abroad.

Sl. No.	Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
		National	International		
1.	Dr. Narayan KA	NEERI, Nagpur.	Nil	1995	To study the kits for rapid assessment of water quality following floods and other natural disasters.
2.	Dr. Narayan KA	PGI, Chandigarh		2002	Peer Review of PGI Chandigarh
3.	Dr. Jayarama chandran S	NEERI, Nagpur. AFMC, Pune. NARI, Pune. NIV, Pune. Serum Institute of India, Pune.	Nil	25/01/2013 to 29/01/2013	As a part of PG training.
	Total	7	Nil	--	--

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards		Any other (Specify)	
				N	I	N	I
1	Dr. Parthanandi	Executive Member of Puducherry chapter of IAPSM					
2	Dr. RajkumarPatil			1			
3	Dr. Abijith Bortanae			1			
	Total	1		2			

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended 328 FDPs. (23International; 73National; 232State/University; College).
- On an average, each faculty attends 3 FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State /	National	International	

		University Level	Level	Level	
1.	Orientation Programme	15	2		17
2.	Refresher programme	4	1		5
3.	Workshops	39	10	3	52
4.	Seminars / Symposia / Conferences	20	24	20	64
5.	CMEs/CDEs/MET/DET/Clinical meets	80	34		114
6.	Special Lectures	72	1		73
7.	Any other	2	1		3
	TOTAL	**232**	**73**	**23**	**328**

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	-	7	7
2.	No. of PG Dissertations based on Research Work	4	15	19
3.	Any other Projects done by PG Students other than Dissertations	3	2	5
	Total	7	24	31

- percentage of students who have taken up in-house projects including Inter-departmental projects : 87.1%
- percentage of students doing projects in collaboration with other universities / Industry / institute : 12.9%

- Our faculties have guided undergraduate students in completing **7 STS ICMR** projects**.**

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at			
		State/ University Level	National Level	Inter national Level	Total

1.	Students UG/PG	2		2	4

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1	Dr. Vijayalakshmi	Best poster presentation	University	2013
2	Dr. Raghunath	Best poster presentation	International	2012
3	Dr. Fredrick Stephen	Best poster presentation	University	2014
4	Dr. Kirthiga	Best oral presentation	International	2015

30.*Seminars / Conferences / Workshops organized and the source of funding*

Total Organized: 3

(International: 1; National: NIL; State: 2; University: NIL; College: NIL).

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Conferences	January 2015	400	SBV	I	I-2; E-5
2.	Workshops	2014	30	SBV	U	I-5
3.	CME / Clinical meeting	November 2012	300	SBV	U	I-1; E-4
	Total		730			I-8; E- 9

N: National; I: International; U: University; C: College; I: Internal; E: External

30. Code of Ethics for Research followed by the Departments: ICMR.

***31. Student Profile program-wise - Students enrolled and performance*:**

a. **PG Students**

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree / Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74

	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.1	45+30=75
UG Degree	**2009-2010**	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1371	984	752	76.42	59+56=115 15+20=36
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

b.Performance in University Examinations:

Name of the Course ***(Refer to Question no. 4)***	**Number of students completed PG Studies and Pass percentage during the past Five Academic Yrs**				
	Academic Year	**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
	2011-2012	3	3	100	
	2012-2013	3	3	100	
	2013-2014	4	4	100	(2 passed in Supplementary)
	2014-2015	4	3	75	

Performance in University examinations conducted by SBV:

Name of the Course	**Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years**				
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**
UG Degree (MBBS)	**2009-2010**	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33.Diversity of Students:

a.PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	2009-2010	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-

b.UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of students from within Pondicherry		No. and % of students from Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
				From TN		Other States			
UG Degree (MBBS)	2009-2010	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-

	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34.How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.

Nil

35.Student Progression

Student progression	No. & % against enrolled
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	**2**
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	SBV -4 Other Colleges - 10

36.Diversity of Staff

Percentage of faculty who are graduates	**UG**	**PG**
of the same University	**1 / 13**	**4 / 13**
from other Universities within the State	**5 / 13**	**1 / 13**
from Universities from other States	**7 / 13**	**8 / 13**
from Universities outside the Country	**0/ 13**	**0/ 13**

37.Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

Before joining SBV: - NA

After joining SBV (2008 – 2015): Two undergoing PhD (One under SBV University, One under Dravidan University, Kuppam)

38.Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sl. No.	Infrastructural facility for Teaching	Central Library	Department Library
1	No. of Books	436	214
2	No. of Journals	6	2
3	No. of e-Journals	3	6

4	P.G. Dissertations	14	14
5	Project Reports of UG	7	7
6	Project Reports of PG	4	4
7	Project Report of Faculty	4	4

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	3	2
2.	Own device	13	13
3.	Central facility	75	75

C. ***Total Number of Class Rooms, Seminar Halls etc. available for the Department.***

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms	-	11
2.	Seminar Halls	1	4
3.	Demonstration Rooms	3[includes 2 in UHTC/RHTC]	4
4.	Auditorium	-	-
5.	Class rooms with ICT facility	-	6
6.	Seminar Hall with ICT facility	1 + 1	4 + 4
7.	Auditorium with ICT	-	-

8.	Students' Laboratories at the Department	Available, fully equipped
9	Research Laboratories at the Department	Available
10.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	300+
11.	Skill Lab	I MBBS students, as part of their Com Med classes, are trained in the Skills Lab on various aspects of First Aid, BLS and more.

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests

The Department uses the central facilities of the hospital and the CIDRF for laboratory tests. All necessary equipments required for the department and health centers are available

E.Clinical Teaching – Learning Resources:

- The Department imparts family and community oriented and community based training to Medical Undergraduates, Postgraduates and other allied health professionals and conducts community based research.
- Several facilities have been established either exclusively or in collaboration with other organizations.
- The population served has been enumerated.
- Outpatient and emergency services are provided
- Specialty clinics are conducted
- Home based preventive services
- Long term, home based preventive and promotive care is provided.
- Those needing tertiary care and referred to MGMCRI
- The centers provide an excellent platform for research.

Details of Centers

a) Rural Health and Training Centres (RHTC), Seliamedu: situated in Bahour commune of Pondicherry District five kilometers away from the MGMCRI Campus. This health and training centre covers a population of 6000 as a core population and extended 15,000 population of that area. The center has a tele-consultation facility.

b) Urban Health and Training Centres (RHTC), Ariyankuppam: situated ten kilometers from MGMCRI along NH-45 A, this health and training centre covers a population of approximately18,700 and caters the needs of people living in the periphery of Pondicherry urban agglomeration. This center has teleconsultation facility

c) City Center: this center established in 2014 serves as an Urban Health Center and as a Specialty Out Patient Clinic in the evening. A defined population is being enrolled to provide domiciliary services and a cohort population.

d) Life Help Centre for Rural Rehabilitation and Development (LHCRRD): LHCRRD is an NGO working for the welfare of the mentally and physically challenged children in Tamilnadu. The organization has a residential centre in Mettupalayam, Cuddalore district which houses nearly two hundred orphaned, mentally and physically challenged children. It also runs a school for Tsunami affected children. MGMCRI had signed a memorandum of understanding with LHCRRD and runs a health center within this campus. Psychiatry and neurology consultations too provided fortnightly.

e) MUNA hospital Parangipettai: This center established in 2014 provides specialist outpatient services to predominantly minority population. The center had played a major role in assessing the health status and needs of minority community. The population is being enrolled.

f) SASHUN Health center. This center established in 2015 in collaboration with Sashun pharmaceuticals at SIPCOT, Cuddalore. Its provides outpatient services to industrial workers and neighbourhood population.

g) Govt. Primary Health Centre (PHC), Kirumampakkam & Govt. Primary Health Centre (PHC), Netapakkam. These two centers of the Govt of Pondicherry are model Government Primary Health Centers. A MOU was signed with the government and CRRI's were posted to get exposed to various National Health Programmes.

h) Offices of the Deputy Director of Public Health Govt of Pondicherry and District Health Office, Cuddalore. These offices are used to train undergraduates and postgraduates on the implementation of the national health programmes.

i) Swaminathan Foundation and Village Knowledge centers. MGMC&RI has adopted two Village knowledge centres (VKC) at Pannithitu & Veerampattinam. Health promotion and curative services are offered.

j) Old age home, Cuddalore: We offer promotive and preventive geriatric health services to the inmates at Help age India. These health services are provided weekly once at their doorsteps.

k) SOS Children's village: We provide pediatric, mental health services to the tsunami affected children's staying at SOS Children's village.

F. Clinical Learning Resources
(Only for Pre & Para Clinical Departments offering Diagnostic Services)

1.	No. of Diagnostic Labs.	:	2
2.	List of Unique Diagnostic Equipments (Name and No.)	:	NA
3.	List of major diagnostic services	:	Blood hemogram/counts Urine analysis Lipid profile LFT RFT TFT AFB sputum Widal Malaria thick smear ASO Blood culture
4.	Avg. No. of diagnostic tests / day	:	Appx 400 / day at UHTC Appx 130 / day at RHTC

G.Other learning resources and expertise.

a. Disaster management: The department has the expertise for training for disasters. Prof. K.A. Narayan has been a master trainer for disaster management such as floods and cyclones, Mass casualties, Outbreak Investigation and response and Hospital Contingency plan. He was the team leader for Post Tsunami relief work in Nagapattinam district in 2004 and investigated the outbreak of Gastroenteritis in Karaikal in 2005. The department has simulation exercises for floods and cyclones, mass casualties and outbreak investigation.

b. Ethics: The department has modules for training in ethics and has introduced ethics teaching for the first year students.

c. Outbreak Investigation: several problem based exercises integrated with computer data analysis are used for training UGs and PGs for outbreak investigation.

d. Management Modules: Modules for training in management of health programmes such as immunization, tuberculosis control are used in training.

e. BLS and ALS training. Dr. P. Kanakarajan is a AHA certified trainer and is part of the team of the MGMCRI and Clinical Skills Center. First year students have a session on BLS, First aid, and Transport of casualties.

f. ICT: The department uses the WHO/CDC software for training in data collection and analysis UG, PG students and faculty.

39. List of Doctoral, Post-Doctoral Students and Research Associates:

From	Doctoral Student	Total
Host Institution / University	1	1
Total	-	1

40. A.Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*
- *Select Post Graduate Students also receive Financial Assistance. The details are as under*

Sl. No.	Type of Financial Assistance	Course/Programme	Year	No. of Students Benefited	Amount of Assistance
1.	Research Aid	**Post Graduate dissertation**	**2012 2014**	**2**	**Rs 40000**

B. ***Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms***

C. ***Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are as under (common to all Departments)***

Management provides fee waivers for select students.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

The Government of India has recommended expansion of specialists in public health both for training and for services. Schools of Public Health have been established for training for the services. Post Graduate programmes (MD) have been promoted to increase the pool of teachers and trainers. With this background, MGMCRI started the MD course in Community Medicine with an initial intake of 2 PGS. This was increased to 4.

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. Suggestions about changes in curriculum are invited from the faculty. After getting suggestions these are discussed and, based on MCI guidelines for must to know and desirable to know, changes are incorporated as and when required. Similarly feedback for teaching learning evaluation is also taken from faculty. Required changes in weightage to topics, allotment of teaching hours, teaching learning methods are done keeping in mind the rules and regulations of the university and MCI norms.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. The feedback is taken from the students about individual teachers who are teaching to that semester. .Similarly feedback for curriculum and teaching learning evaluation is also taken whenever there is any recommended change in curriculum or evaluation. These are analyzed and based on results, further action is taken. Based on the feedback, the following innovative measures were taken.

S.No	Semester	Innovations
1	I	Modules - Healthcare Delivery System; Communication; BLS & First aid; Sociology
2		Early Clinical Exposure
3		Integrated Teaching
4	III	Village Health Survey -Research Methodology -PRA, FGDs
5		Problem Based Learning (PBL)

6	**V**	Family Health Advisory Programme (FHAP)
7	**VI**	Problem Solving exercises (PSE)
8	**VII**	Modules - Diseases & National Health Programmes
9		Open book tests
10		Peer evaluation

c.Alumni and employers on the programs offered and how does the department utilize the feedback?

No, but the institute is in the process of developing the feedback from alumni and employers.

43.List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1.	Dr. Kanagarajan	National Polio Surveillance Project-WHO	Surveillance Medical Officer(SMO)	Bihar
2	Dr. P. Vaithiyanathan	MGMCRI	Assistant Professor	Puducherry
3	Dr. S. Vijayalakshmi	MGMCRI	Assistant Professor	Puducherry
4	Dr. Raj Kumar	MGMCRI	Assistant Professor	Puducherry
5	Dr. Suganthi	SSMCRI	Assistant Professor	Chennai
6	Dr. Prabhakaran	Entrepreneur, Nano Lab	Managing Director	Karur
7	Dr. Prasad	Private Hospital	Community Physician	Puducherry
8	Dr. Raghunath	Private Hospital	Community Physician	Krishnagiri

44.Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE yrs

1. Number of SEPs conducted during the last Five Yrs - 35

2. List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.

S.No	International/ National	Resource Person

1	National	Dr.Vijaya Balakandan, Deputy Director FW & MCH, Pondicherry
2	National	Prof V Kumaraswami, Director in Charge TB research Centre, Chennai
3	National	Mrs S Pakajam, Business Head for India Grindlay Bank
4	National	Annual external oration Dr.Mohan, Chairman & Chief of Diabetes Specialties
5	National	Annual Internal Oration Prof Dr.K Surendra Menon HOD, Pulmonary Medicine, MGMCRI
6	National	Annual External Oration Dr.V Shantha
8	National	Dr. Thomas Insel, Director, National Institute of Mental Health, Bethesda, Maryland, USA
10	National	Dr. Jambulingam, Director, VCRC
11	National	Prof. BM Hedge, Ex VC Manipal university Karnataka
12	State	Dr. Govindaraj, State TB Officer, RNTCP South II Zone, Puducherry
13	National	Padmashree Dr. V. S Natarajan Former Prof of Geriatric Medicine, MMC. A Pioneer in geriatric medicine in India
14	International	Prof. Michael Edwin Notre Dame University, USA
15	International	Mrs. Inge van, FERAL
16	National	Dr. K V Devi Prasad Professor, Pondicherry University
17	National	Dr. K. KATHIRESAN Professor and Director CAS Marine Biology, Annamalai university
18	National	Dr.S. Ganapathy Venkata Subramanian Professor, Environmental Management and Law

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching

Sl. No	For UG	For PG
1.	Interactive	Learner centric
2.	Problem based learning	Skill laboratory
3.	Integrated teaching	Interactive

- Lectures: The conventional lectures are enhanced with the use of ICT using PowerPoint. Lectures are enhanced by using Buzz, trigger videos and images, flipped classroom techniques. Students are encouraged to refer to text books and other learning resources to answer questions raised.

- Clinical posting: One clinical posting is devoted to community diagnosis survey and intervention. Students plan and conduct a survey, analyse data using EpiInfo and organize a health camp. A highlight of the survey is incorporation of qualitative research methods.

- Practicals: PBLs are used for practicals and blended with field visits. Eg. Water and sanitation.. PBLS also include
    i. simulation exercises for floods and cyclones, mass casualties and outbreak investigation.
    ii. Ethics: modules for training in ethics. Ethics teaching for the first year students has been started
    iii. Outbreak Investigation: based exercises integrated with computer data analysis.
    iv. Management Modules: Modules for training in management of health programmes such as immunization, tuberculosis control, Essential drugs, are used in training.
    v. BLS and ALS training. First year students have a session on BLS, First aid, and Transport of casualties.
    vi. ICT: The department uses the WHO/CDC software for training in data collection and analysis UG, PG students and faculty.

d) Integrated teaching: Integrated teaching modules that involves clinical and non-clinical Specialties are designed and implemented for the I MBBS students.

e) Email and Whatsapp is used for disseminating learning resources and information to students.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The outcome of each objective are evaluated both in terms of formative and summative assessments in the department.

The Formative Assessment includes

UG

1. Observations during in-class activities during lecture class
2. Homework exercises/PBL given during practical classes (eg: epidemiological exercise) as review for exams and class discussions
3. Question and answer sessions, both formal—planned and informal—spontaneous
4. Integrated teaching method by framing PBL
5. OSCE/OSPE

PGs

1. Reflection of journals that are reviewed periodically during the course.
2. Student feedback collected by periodically answering specific question about the instruction and their self-evaluation of performance and progress.

The Summative Assessments includes

UGs

1. Final and end semester examinations

2. Projects (end of 3rd semester clinical posting students should submit their village health survey reports)

PGs

1. Internal assessments
2. Portfolios and log book (submitted by PGs during their exams)
3. Projects
4. Performances

A system of Post-validation of examination results has been put in place in both University and department level. This process gives valuable insight into the test instruments and the examination.

Based on formative evaluation, additional remedial classes are held before the exams. Strengthening of T&L methods are done based on the review of the summative evaluation.

47. Highlight the participation of students and faculty in extension activities.

a.Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	Number	No. of Beneficiaries
1.	Community Camps	2011-2015	357	104682
2	Telemedicine Camps	2011-2015	42	13093
3	Students camps	2013-2015	13	1946
4	Rallies	2012-2015	4	Around 100 students/ PGs/ Faculties Participated
5	Celebrations	2011-2015	38	Approx. 1500
6	Workshops (Bio-Statistics/ Epidemiology/ research methodology/ OSCE/ OSPE/ Teaching methods)	2011-2015	11	(PGs+ Faculties)

b.Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students

i) Community Health Camps

Sri Balaji Vidyapeeth University organizes Community health camps along with both governmental and non-governmental organizations in the Union Territory of Puducherry and the adjacent districts of Tamil Nadu. A team of health care personnel from our institutes Mahatma Gandhi Medical College & Research Institute, Indira Gandhi Institute of Dental Sciences and Kasturba Gandhi Nursing College will deliver both promotive and curative health care. These medical camps provide comprehensive multi-specialty health services free of any cost. Faculty members from various departments such as Medicine, Surgery, Obstetrics and Gynecology,

Pediatrics, Dermatology, Psychiatry, Ophthalmology, ENT, Community Medicine and Community Dentistry were involved to provide health care to the needy. A Telemedicine bus well equipped with instruments such as ECG, echocardiogram, Ultrasound with teleconference satellite link were also involved in telemedicine health camps to provide tertiary care facilities to remote underserved areas. Various non-governmental organizations were involved actively in these camps as listed below.

ii) Telemedicine Camps

Telemedicine camps are organized in remote rural areas, where tertiary health facilities were not available. Telemedicine camps help to bring the specialty services at the beneficiary door steps. These camps provide more sophisticated investigations like echocardiography, ultra-sonogram, digital radiography and expert consultation to remote inaccessible areas.

iii) Survey based students-organized camps

In year 2013 to2015, village health survey were conducted by our MBBS undergraduate students, based on which multi-specialty camps were organized on the basis of health needs of a village surveyed. In these camps IEC materials prepared by students were displayed to aim at promoting health seeking behavior in the long term. Hence, unlike a general curative health camp, these camps are targeting more of preventive and promotive health working majorly on building awareness regarding common ailments, family planning methods, nutrition, hygiene and sanitation. These medical camps provide comprehensive multi speciality health services free of any cost. Faculty members from Departments of Ophthalmology, Obstetrics and Gynaecology, Pediatrics, Dermatology, ENT and Community Dentistry took active part in conduct of such camps.

iv) Rallies and celebrations

The department has organized many awareness programmes, rallies and health event celebrations in commemoration of various health days such as world tuberculosis day, world health day, world AIDS day etc.

48. Give details of "beyond syllabus scholarly activities" of the department.

1. CME on Health and aging- NOV 2012
2. Workshop on statistical analysis & Research Methodology- 2014

3. International conference on climate change and health- January 2015
4. Member in Dental Education Unit
5. Carrier guidance programme.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by statutory regulatory bodies –MCI.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department has a strong foundation for research. Several research publications have been produced.

Research Publication

Facilities publication (2011-2015):

Outside MGMCRI: 94
In MGMCRI: 45
On-going research: 2 (funded)
On-going research applied for funding: 1
On-going self-funded projects: 3
Books written: 8
Chapters in book: 2

PGs Publications: 2
ICMR - 7
PG Dissertations:

Completed: 14
On-going: 4

UG- Village Health Survey (2013-2015): 13
External Monitor in IPPI Surveillance- 16 (PGs)
Organized Polio booths as the part of IPPI in health centers: 4 rounds

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Responsive and forward looking administration	Shortage of experienced faculty in the country leading to faculty mobility.	Advanced centre for research established in the institute	Retention of faculty. Change in policies of certifying agencies
2.	Good infrastructure	Delay in	Corpus fund for	Funding for private higher

		recognition of PG curriculum by MCI	research has been established	education
3.	Full strength of faculty members	Prescriptive regulations which hinder innovation	Collaboration with industry & insurance sectors	Inadequate information on future requirements for manpower, skill sets required to expand and restructure current courses and plan new ones.
4.	Strong rapport with the community through peripheral health centres and NGOs & government health sector	Poor demarcation of geographical areas of service	Positive policy for academic and professional enhancement	Changing the focus of health professionals and community from curative to preventive health care. Overlap of health services with government and other health sectors.
5.	Congenial atmosphere and advanced facilities to support research such as Wi-Fi, library, CIDRF, integrated campus	Paucity of External funding for research	Dynamic mix of faculty with motivated juniors and experienced seniors	Community mobilization for integrated preventive healthcare services

52. Future Plans of the Department :

- *Academics: New courses (UG,PG,Certificate,others)*
    - Certificate course in environmental health and climate change. One day seminar on Climate Change and Health conducted
    - Occupational health.
    - Research Methods
    - Clinical Epidemiology
    - Establishing full fledged carrier guidance cell
- *TLE Methods:*
    - move to web based education.
    - use of electronic media for student communication and interaction, dissemination of course material.
    - Establishing a fully functional Learning Management system.
- *Research:*
    - Establishment of clinical epidemiological unit.
    - population project on the prevalence and risk factors for NCDs is proposed with the Government of Pondicherry
    - Project on use on GIS to map malaria cases is in the process of development.

- *Extension:*
    - Establishment of centre for social health involving the community health departments from the medical, dental & nursing colleges.
    - Creating first contact clinic in our institute.
    - Pioneering corporate primary care model through our city center.
    - School health programmes for the government of Pondicherry to be continued and expanded to form cohort.
    - A health center catering to a population located in an industrial area
    - A school and adolescent health programme is proposed with the Neyveli Lignite Corporation
    - Infrastructure (Physical & Learning Resources)
    - A full ledged research laboratory. The facilities will be used for data collection and analysis.
    - An exclusive digital library
    - A modern Public Health Museum.
    - Establishing a system for e-waste collection & disposal
    - Proactively engage local SHGs
    - Explore wider collaborations with MSSRF
- *FDPs*
    - Faculty development programmes especially in Medical Education, Research and Environmental issues.
    - Workshops on Graphical analysis for research, R- Software, Geographical Information system, Establishing a digital library
- *SDPs:*
    - Early introduction to clinical medicine
    - Basic Life support and First Aid training for first year students integrating with pre and clinical departments.
    - Additional Modules to expand the scope of learning.
    - Workshop to train medical graduates on research methods even in the first year.
    - Disaster Management training through use of simulation exercises.

- Training in ethics.

53. A. Salient and Unique Features of the Department.

B.Innovations of the Department

i. Teaching and Training

- Use of PBL, Buzz and other interactive methods.
- Orientation of new faculty to training methods
- Programme for students with learning difficulties.

ii. Research

- Introduction of EpiInfo software to students and faculty
- Establishment of Cohort
- Workshop based training for research

iii. Services

Health centers for industrial zones, minority population, differently abled.

C.Best Practices:

1.Teaching and Training

- All faculty are trained in pedagogy
- Master plan of teaching with allocation of weightages to topics
- Blue printing and standardization of evaluation tools. Objective tools for evaluation.
- Student feedback incorporated into training methods.

2. Research

- All research projects are reviewed at the departmental level
- They pass through the institute research committee and Institute ethics committee
- Dissertations are submitted for plagiarism check.
- PGs are required to present posters and papers and publish their research.

3.Services

- Weekly, monthly and annual reports of activities and services
- Review of performance in departmental and audit meetings.
- Dissemination of information through “Chronicle”

Forensic Medicine & Toxicology

1. ***Name of the Department*** : Forensic Medicine & Toxicology

2. ***Year of Establishment*** : 2001

3. ***Is the Department part of a College / Faculty of the University****?*
   Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. ***Names of Programs Offered*** *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*
   The Department offers the following programmes*:*

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Annual		150	171	5 ½
PG Degree	MD	Annual		02	00	03

5. ***Interdisciplinary Programs and Departments involved***

   Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

   The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1.	Forensic Pathology hands – on training	---	Dept of Forensic Medicine, IGMC&RI, Pondicherry
2.	Clinical Forensic Medicine – exposure to MLC cases	EMR, MGMC&RI	NIL
3.	Foetal autopsy	Dept of Pathology, MGMC&RI	

Nature of Involvement:

- PG students are made to do autopsies under the supervision and guidance of qualified and experienced faculties of MGMC&RI and

IGMC&RI

- ❖ PG students are required to attend to ML cases coming to the EMR, MGMC&RI especially road trauma cases
- ❖ Faculties from the Dept of Pathology, MGMC&RI train our PGs on the methods of foetal autopsy

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

None

7. Details of Programs discontinued, if any, with reasons. None

8. Examination System : Annual

9. Participation of the Department in the Courses offered by other Departments

Nil

10. Number of Teaching posts sanctioned, filled and actual

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	**01**	**02**	**00**	**02**
Associate Professor / Reader	02	02	00	02
Assistant Professor / Lecturers	02	01	00	01
Subtotal (1)	05	05	00	05
Demonstrator / Tutor	05	05	00	05
Subtotal (2)	05	05	00	05
Grand Total (1+2)	10	10	00	10

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching	Qualifications	Designation	Area of Specialization	Years of Teaching Experience

	Staff				Total (years)	At SBV (years)
1.	Dr Satish Kumar	MD	Professor and Head	Forensic Medicine	28	2
2.	Dr Baskar	MD	Professor	Forensic Medicine	21	3
3.	Dr Pramod Kumar GN	MD	Associate Professor	Forensic Medicine	10	2
4	Dr Dhritiman Nath	MD	Associate Professor	Forensic Medicine	9	1
5.	Dr Senti Toshi	MD	Assistant Professor	Forensic Medicine	8	5

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities):***Nil.

c. ***Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students:***Nil

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl. NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Years of Teaching Experience	Remarks
1	Dr Arun. M	MD (Forensic Medicine)	Professor and Head, Dept of Forensic Medicine, JSS Medical College, Mysuru, Karnataka	Forensic Pathology Clinical Forensic Medicine	18 years	

13. Percentage of classes taken by temporary faculty – program-wise information: **Nil**

14. Program-wise Teacher Student Ratio *(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

Programme	Teacher Student Ratio
UG	**1 : 34**
PG Degree	**1 : 1**

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)

			M	F	Total
Support Staff (Technical)	Technical Assistant / Technician	02	00	02	02
	Lab Attendant	02	02	00	02
	Steno Typist	01	01	00	01
Administrative Staff	Clerk / Store keeper	01	01	00	01
	Attender	01	01	00	01
	Sweeper	01	00	01	01
Total		08	05	03	08

16. Research thrust areas as recognized by major funding agencies and SBV

1. Fingerprint study (Dactylography)
2. Road Trauma

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

…03. Numbers of Faculty of the department are involved in ……03….. Number of Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs
Department / Self Funded	02	00	02	NIL
Total	02	00	02	NIL

Details of the Projects:

Ongoing Projects:

Sl. No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored

1.	PI – Dr Pramod Kumar GN Co-PI – Dr Dhritiman Nath **Study of sex differences in fingerprint ridge density in Pondicherry adult population**	Self - funded	NIL	2014 – 2016 (2 years)	Self - funded
2.	PI – Dr Pramod Kumar GN Co-PI – Dr Satish Kumar **Pattern of fingerprints in relation to ABO blood group among Medical students of MGMCRI, Pondicherry**	Self - funded	NIL	2014 - 2016 (2 years)	Self - funded

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) : NONE

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned
		Ongoing	Completed	Total	
1.	Faculty Projects	02	00	02	NIL
	Total	02	00	02	NIL

20. Research facility / Centre available to carry out research :-

- In the department (give details of facilities in brief)**:**
- A well equipped research lab available and has 3 sections-
  Serology section (for analysis of blood, semen, saliva etc)
  Anthropometry section
  Histopathological section

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV: **CIDRF.**

22. A. Research Publications:

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	19	04
International Journals	17	05
State Journals	02	01
S.B.V. University Journals	0	0
Total	38	10

B. Monographs: Total - 2 Monographs published by Forensic Medicine Faculty.

Sl. No.	Name of the Faculty	Topic of Monograph	Print *or* Online	Year
1	Dr.GN Pramod Kumar	"Study of Correlation between stature and finger length- An Anthropological Analysis"	Print	2012
2	Dr.GN Pramod Kumar	Determination of Age and Sex by Human Sternum – An Anthropometric Study.	Print	2012

C.Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of Publications in Databases		4	4	8	9	4	10
Citation Index – Range / Average							
Scopus		+	+	+	+	+	+
PubMed				+	+	+	+
WOS							
Google Scholar		+	+	+	+	+	+
Journal Analytics (Range / Average)							
SNIP			0.869 - 1.2 / 1.03	1.2	0.81-1.2/1.01	0.81-1.2/1.01	1.2
SJR		0.128	0.484-0.55/0.52	0.24-0.55/0.40	0.45-0.55/01	0.45-0.55/01	0.55
Impact factor (Range / Average)		0	1.076	0.151	0.62	0.62	
h-index		11	2-51/26.5	2	3-38/20.5	3-38/20.5	3
Scopus		+	+	+	+	+	+
WOS							

23. Details of Patents and income generated:Nil

24. Areas of Consultancy and income generatedNil.

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad. Nil.

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards*		Any other (Specify)	
				N	I	N	I
1	Dr Pramod Kumar GN	Assistant Editor		JKAMLS			
2	Dr Pramod Kumar GN		Editorial member		IJHAS		
	Total	**01**	**01**	**01**	**01**		

**- includes editor, subeditors, peer reviewer*

- *JKAMLS – Journal of Karnataka Medicolegal Society*
- *IJHAS – International Journal of Health and Allied Sciences*

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs- last FIVE years).

- Faculty members have attended ……74…. No. of FDPs. (……06...International; …11… National; …57… State/University).
- On an average, each faculty attends ……05…… FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	
1.	Orientation Programme	03	0	0	03
2.	Refresher programme	0	0	0	0
3.	Workshops	07	0	0	07
4.	Seminars / Symposia / Conferences	6	5	2	13
5.	CMEs/CDEs/MET/DET/Clinical meets	18	3	4	25
6.	Special Lectures	23	3	0	26
7.	Any other	0	0	0	0

	TOTAL	57	11	06	74

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl.No.	Projects	Ongoing	Completed	Total
1.	No. of PG Dissertations based on Research Work	**00**	**03**	**03**
	Total	**00**	**03**	**03**

- *percentage of students who have taken up in-house projects including Inter-departmental projects :*
- *percentage of students doing projects in collaboration with other universities / Industry / institute :*

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students: **Nil**

30. Seminars / Conferences / Workshops organized and the source of funding

Total Organized: 2

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	CME / Clinical meeting	28 June, 2014	120	SBV University	University	E-03
2.	Any other (Guest lecturers; training/ induction programs)	Guest lecture on 28 May, 2011	150	SBV University	University	E-01

N: National; I: International; U: University; C; College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments

- Ethical Committee meetings for proposed and conducted research
- Following ICMR guidelines
- Written informed consent from the subjects

32.Student Profile program-wise - Students enrolled and performance:

A. PG Students

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Super Speciality	2009-2010					
	2010-2011					
	2011-2012	14	12	2	16.7	2+0=2
	2012-2013	15	9	9	100	2+0=2
	2013-2014	10	7	2	28.6	2+0=2
	2014-2015	10	9	2	22.2	2+0=2
PG Degree (MD/MS) / Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75
UG Degree (MBBS)	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

B. Performance in University Examinations:

PG	Number of students completed PG Studies and

Degree (MD)	Pass percentage during the past Five Academic Years				
	Academic Year	Candidates Appeared	Candidates Passed	Pass %	Remarks (Gold Medalist, if any)
	2013-2014	02	02	100	NIL
	2014-2015	01	01	100	NIL

Performance in University examinations conducted by SBV:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		Candidates Appeared	Candidates Passed	Pass %
UG Degree	2009-2010	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

A.PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	2009-2010	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-

	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-

B. UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of students from within Pondicherry**		**No. and % of students from Outside Pondicherry**				**No. and % of Students from Other Countries (Outside India)**	
				From TN		**Other States**			
UG Degree (MBBS)	2009-2010	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise*.NA*

35.Student Progression

Student progression	**No. & % against enrolled**
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	**a.** 01 Dr Udhayabanu was a UG student of this institute and then joined MD (Forensic Medicine) on June 2011 and completed the course by May 2014

36. Diversity of Staff

Percentage of faculty who are graduates	**UGs**	**PGs**

of the same University	00	00
from other Universities within the State	02	02
from Universities from other States	03	03
from Universities outside the Country	00	00

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

Nil

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
1.	No. of Books	395	152
2.	No. of Journals	4	Nil
3.	No. of e-Journals	12	Nil
4.	P.G. Dissertations	0	03
5.	Project Reports of PG	03	03

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	02	02
2.	Central facility	142	142

C. ***Total Number of Class Rooms, Seminar Halls etc. available for the Department****.*

Sl.NO.	Area	Exclusive	Common

1.	Class Rooms		02
2.	Seminar Halls	01	
3.	Demonstration Rooms	03	
4.	Auditorium		01
5.	Class rooms with ICT facility		02
6.	Seminar Hall with ICT facility	01	
7.	Auditorium with ICT		01

8.	Students' Laboratories at the Department	:	01
9	Research Laboratories at the Department	:	01
10.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility: ❖ The department has a state of the art museum with latest student teaching aids and self – guided models ❖ The museum also houses specimens, posters, models, photographs, bones and poisons pertaining to the subject. Number of wet specimens- 73, weapons – 74, charts- 58, models-41, photographs-302, poisons – 103, bones – 61, slides - 103		
11.	Sharing or Usage of the resources of other Departments: ❖ Histopathology lab of the Dept of Pathology – for better understanding of the micropatholgy of certain conditions ❖ IGIDS: for Forensic Odontology ❖ Facilities from CIDRF		

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests*. Nil*

39. List of Doctoral, Post-Doctoral Students and Research Associates:

Nil

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. ***Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms***

C. ***Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are as under (common to all Departments)***

Select students get fee waiver for the management.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes need assessment are done before planning new programs

42. Does the department obtain FEED BACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The feedback is obtained from students and utilized to improve teaching methods

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes; the feedback is utilized to improve teaching methods of the faculty

C.Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes.

43. List the distinguished alumni of the department (maximum 10) (based on PG / Super specialty students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1.	Dr Udahayabanu	MGMC&RI	Assistant Professor	Govt Medical College, Tanjavore
2.	Dr Venkatesaprasanna	MGMC&RI	Tutor	Tagore Medical College, Chennai
3.	Dr Prasanna P	MGMC&RI	Tutor	Dept of Forensic Medicine, MGMC&RI

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops /

Seminar) involving external experts during the last FIVE years

A.Number of SEPs conducted during the last Five Years ……04…….
Details are as follows:-

Sl.No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Special Lectures	28/05/11	MGMC&RI	Prof. B.V. Subramaniam,	
2.	Workshops / Hands on Training	28/06/14	Mock courtroom MGMC&RI		
3.	CMEs / CDEs	28/06/14	MGMC&RI	Dr Arun Dr Indrajit Khandekar Mr Satish	Dr Satish Kumar Dr Baskar Dr Pramod Kumar GN Dr Dhritiman Nath
4	FMT Forum 2015 – Intercollegiate Forensic Medicine Quiz Competition	24/08/15	MGMC&RI	Dr Arun . M. Dr Fremingston Marak Dr Vinod Chaudhari Dr Ashutosh	Dr Satish Kumar Dr Baskar Dr Pramod Kumar GN Dr Dhritiman Nath

B. List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.

i. Prof. B.V. Subramaniam, Dept of Forensic Medicine, Narayana Medical Institutions, Nellore, Andhra Pradesh

ii. Dr Arun M. - Professor & Head, Dept of Forensic Medicine & Toxicology, JSS Medical College, Mysore

iii. Dr. Indrajith Khandekar - In-charge, CFMU & Associate Professor, Dept of Forensic Medicine & Toxicology, Kasturba Hospital – MGIMS, Sevagram, Wardha , Maharashtra

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching

For UG	For PG

1. Conventional classroom lectures 2. Demonstration 3. Autopsy demonstration 4. Integrated teaching with depts. of Micro, Pharmacology and Pathology 5. Video demonstration about different skills 6. Mock courtroom 7. Use of research lab and museum 8. Small group discussion 9. One – to – one discussion 10. Mentor – mentee programme	1. Seminars 2. Journal club 3. Case presentation and discussion 4. Autopsy hands – on skill training 5. Video demonstration about different skills 6. Use of research lab and museum 7. One – to – one discussion 8. Histopathology Lab (Pathology dept) 9. Examination of road trauma victims in Emergency Dept, MGMC&RI

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- By conducting theory and practical exams monthly and end semester exams

47. Highlight the participation of students and faculty in extension activities.Nil

48. Give details of "beyond syllabus scholarly activities" of the department.

- Recent advances/ demos of latest skills/ demos of new equipments; CMEs, DETs, METs, NETs, Clinical meetings SBV-AHEAD / SAF / MEU / DEU / NEU

1) Guest lecture "Medico legal Issues in Emergency Services" conducted on 28 May 2011

2) CME "Ethical and Legal Aspects of Medical Practice" conducted on 28 June, 2014

3) Role play – "Courtroom to classroom" by UG students on 28 June 2014

4) Department has conducted "FMT Forum 2015- Intercollegiate Forensic Medicine Quiz Competition " among UG students and interns of all Medical Colleges of Pondicherry on 24th August, 2015.

- Webinars, seminars, workshops, videoconference, on-line lectures.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by Statutory regulatory bodies –MCI /DCI/ INC.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Mock courtroom for UG students – for better understanding of the proceedings in courts of law

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Strengths	Weaknesses	Opportunities	Challenges
1. Dedicated staff 2. Good infrastructure 3. Modern teaching aids 4. Well equipped departmental library 5. Well equipped departmental museum and research lab	• No autopsy – dept is in the process of obtaining permission from Home Department, Govt of Pondicherry • Less exposure to Clinical Forensic cases like age estimation, sexual assault cases etc (police take the cases to Govt Hospital)	• To develop Clinical Forensic Medicine like medicolegal examination of injury victims, drunkenness, age estimation, cases of sexual assault and potency • To have a well equipped functional mortuary • To have an Analytical Toxicology Section • Forensic Psychiatry in collaboration with Dept of Psychiatry • Medicolegal consultancy	To obtain permission from Home Department, Govt of Pondicherry, to start medicolegal duties

52. ***Future Plans of the Department*** **:**

- *Academics: Newer courses (UG, PG, Certificate ,others)*
  Proposal to start certificate courses like -

1. Forensic Odontology for BDS.
2. Course on Medicolegal issues in Nursing Practice.

3. Short term course on DNA fingerprinting in collaboration with CIDRF.
4. Analytical Toxicology Dept in collaboration with CIDRF, Pharmacology and Medicine.
5. Orientation Programme to Medical Officers, Pondicherry and Tamilnadu in managing ML cases.

- *TLE Methods:*

  PG training in EMR in Clinical Forensic cases – road trauma, assault etc..
  PGs are trained to handle all types of ML cases.
- *Research:*
  1. on Toxicology in collaboration with CIDRF
  2. DNA Fingerprinting.
  3. Fingerprinting.
- *Extension:*

  1. Talks, seminars etc for doctors on medicolegal issues.
  2. Medicolegal training to lawyers and police.

- *Infrastructure (Physical & Learning Resources):*

  Renovation of the mortuary

- *FDPs:*

  CMEs and guest talks by experts about medico legal issues in clinical practice

- *SDPs* :

  To conduct a Forensic Medicine Quiz Competition for undergraduates, interns and PGs of different medical colleges of Pondicherry and beyond annually.

53.

a. Salient and Unique Features of the Department:

- Excellent teaching aids, lecture halls
- Well equipped research lab and museum
- Experienced and dedicated teaching staff

b. Innovations of the Department:

- Mock court room for UGs
- State of the art museum and laboratory

c. Best Practices:

- Orientation to students about Medical Law and Ethics

- Case based study teaching
- Clinico – pathological correlation
- Clinical Forensic correlation
- Autopsy correlation

Department of General Medicine

1. Name of the Department : General Medicine

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University*?*

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. Names of Programs Offered *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*
The Department offers the following programmes*:*

Course Level	*Course Name*	*Annual / Semester*	*Year of Starting*	*Number of Intake Per Year*	*Current Student Strength*	*Duration of Course*
UG	MBBS	Annual	2001	250	250	5½ yrs.
PG Degree	M.D.	Annual	2007	10	23	3 yrs.

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	*Name of the Programmes offered by our Department*	*Involved Departments*	
		Within the Institute	*of Other Institutes*
1.	M.D.(General Medicine)	Departments of cardiology, Nephrology, Psychiatry, Pulmonary Medicine , Radiology, Medical Gastroenterology and all depts. of Basic Sciences	Dept. of Neurology

Nature of Involvement:

+ Clinical oriented training

+ Hands on training on certain procedures of the departments such as hemodialysis, upper GI Endoscopy, Bronchoscopy etc.

6. ***Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc***.

NIL

7. ***Details of Programs discontinued, if any, with reasons.*** -Nil-

8. ***Examination System : Annual***

9. ***Participation of the Department in the Courses offered by other Departments***

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
PG students are posted for a period of 1 month as part of their PG curriculum	From the departments of MDS, Com. Medicine, Dermatology and Ophthalmology	NIL
		NIL

***<u>Nature of Involvement</u>*:**

Observership , Active clinical teaching & Training on certain procedures

10. ***Number of Teaching posts sanctioned, filled and actual:*** as per MCI requirements.

11. ***Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance***

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr.K.Jayasingh	M.D	Professor &head	Gen Medicine	18	5	2	2

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
2.	Dr.Mohemed Hanifa	MD	Professor	Gen Medicine	14	10	2	8
3	DR.Ragupathy	MD	Professor	Gen Medicine	27	13	2	8
4	Dr.Sethuraman	MD	Professor	Gen Medicine	33	2	nil	nil
5	Dr.MM. Gopalaraju	MD	Professor	Gen Medicine	23	1	1	1
6.	Dr.Narayanan	MD	Professor	Gen Medicine	19	3	1	3
7.	Dr.Raghavan	MD	Professor	Gen Medicine	19	6	1	4
8	Dr.Lokesh	MD	Asso.Prof.	Gen Medicine	9	2	1	nil
9	Dr.Saravana shankar	M.D	Asso.Prof.	Gen Medicine	10	10	nil	Nil
10	Dr.Hariharan	MD	Asso.Prof	Gen Medicine	12	2	nil	nil
11	Dr.Kali rattiname	MD	Asso.Prof	Gen Medicine	13	4	nil	nil
12	Dr.Govindaraj	MD	Asso.Prof	Gen Medicine	10	4	nil	nil
13	Dr,Sekar .K.	MD	Asso.Prof	Gen Medicine	5 yrs 10 months	4	nil	nil
14	Dr.Sivakumar	MD	Asso.Prof	Gen Medicine	8 yrs	4	nil	nil
15	Dr. Thumbanatham	MD	Asst.Prof	Gen Medicine	5	3	nil	nil
16	Dr.Siva Ranganathan Green	MD	Asst.Prof	Gen Medicine	6	3	nil	nil
17	Dr.Roopak Mohan	MD	Asst.Prof	Gen Medicine	4	1	nil	nil
18	Dr.M.Mathi venthan	MD	Asst.Prof	Gen Medicine	6	3	nil	nil
19	Dr. Karthik	M.D	Asst.Prof	Gen Medicine	3	<1	nil	nil
20	Dr.Dhivya	MD	Asst.Prof	Gen Medicine	3	<1	nil	nil
21	Dr.Vel Murugan	MD	Asst.Prof	Gen Medicine	5	3	nil	nil
22	Dr.Aarthi	MD	Asst.Prof	Gen Medicine	4	<1	nil	nil

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
There are 16 Senior Residents and 24Junior Residents available in the department								

b. Faculty of the Department as Ph.D Guides: (at SBV & other Universities): **Nil**

c. Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students: **Nil**

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors: **Nil**

13. Percentage of classes taken by Part time faculty – program-wise information: **Nil**

14. Program-wise Teacher Student Ratio *(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

UG	1:4
PG	1:1

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	ECG Technician	10	4	6	10
	EEG Technician	1	-	1	1
Administrative Staff	Store keeper	1	1	-	1
	Record Clerk	1	1	-	1
	Stenotypist	1	1	-	1
Total		14	7	7	14

16. Research thrust areas as recognized by major funding agencies and SBV

Tropical Medicine, Endocrinology, CKD.

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give

the names of the funding agencies, Project title and grants received project-wise. –

9 Numbers of Faculty of the department are involved in 19 Number of Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs
University Funded / Sponsored	4	-	4	Rs.7,13,000/-
Department / Self Funded	18	-	18	-
Total	22	-	22	Rs.7,13,000/-

Details of the Projects:

c. Ongoing Projects:

Sl. No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored
1.	Clinical and Biochemical profile of patients with hypothyroidism	SBV	Rs.2,45,000	3 years	SBV sponsored
2.	Toxic elements in End stage renal disease patients on intermittent hemodialysis	SBV	Rs.1,80,000	3 years	SBV sponsored
3.	A study of dyslipidemia and atherosclerosis among T_2 DM patients at various stage of CRD	SBV	Rs.1,98,000	3 years	SBV sponsored
4.	Analysis of association of hypothyroidism in obesity in young adults	SBV	Rs.0,90,000	3 years	SBV sponsored

d. Completed Projects: Nil

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) :

Abstract of Collaborative Projects:

No. of Projects from	Number of Ongoing Collaborative Projects	Number of Completed Collaborative Projects	Total	Funds Received in Lakhs
International funding agency	NIL -	1.Glasgow university,UK, Student exchange	-	-

		programme -on tropical Medicine and travelers medicine 2.TECHLABS, USA Supported study on "Clostridium Difficile associated disease – Dr . Mohamed Hanifah was a coinvestigator		
University funded	4	NIL	4	Rs.7,13,000/-
Department / Self funded	18	18	18	-
Total	**22**	**-**	**22**	Rs.7,13,000/-

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned	For details refer to Qn.Nos
		Ongoing	Completed	Total		
1.	Faculty Projects	4	-	4	Rs.7,13,000	17
2.	Students Projects	-	-	-	-	18
	Total	4	-	4	Rs.7,13,000	

20. A. Research facility / Centre available to carry out research :-

- In the department**: available**
- In other departments : available
- At central level**:CIDRF**

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:

Central interdisciplinary research facility. CIDRF- Created by SBV University

22. A. Research Publications:

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	62	-
International Journals	8	-
Total	70	-

B. Monographs: 5

C.Chapters in Books: 3

D. Books edited: 4

E. Books Published with ISBN with details of publishers:Nil

F. Number of Research articles / publications listed in International Database:NIL

23. Details of Patents and income generated: **Nil**

24. Areas of Consultancy and income generated

a. The areas of consultancy are as follows: Institutional level consultation offered to the employees of various companies and the income generated therein through Master health checkup programme

b. The faculty of the department offer paid consultancy in the following areas:

Sl.No.	Name of the Faculty
1.	Prof.K.R.Sethuraman
2	Dr.Siva Ranganathan Green

c. The faculty of the department offer honorary / reciprocator consultancy in the following areas: Nil

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad Nil

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International) Nil

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

Nil

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	Nil	**2**	**2**
2.	No. of PG Dissertations based on Research Work	**18**	**33**	**51**
3.	Any other Projects done by PG Students other than Dissertations	**-**	**1**	**1**
	Total	**18**	**36**	**54**

- percentage of students who have taken up in-house projects including Inter-departmental
- projects : 100 %
- percentage of students doing projects in collaboration with other universities / Industry / institute : NIL
- **Details of Students STS ICMR Projects**:

Sl.No	Name of the Student	Name of the Guide	Year	Title of the Project	Amount Sanctioned	Outcome in Short
1.	S.Subasini	Dr. Mohamed Hanifah	2011	Prevalence of Anemia among Female Medical Students - A clinical study	Rs.10,000/-	
2.	Tiroumalini Thirugnana Sambandamourthy	Dr. Siva Ranganathan Green	2011	Prevalence of Migraine among Medical students	Rs.10,000/-	

- **Membership of Professional Bodies -** 1) Tamilnadu Brach of IMA

2) Member in Association of Physician of India

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students Nil

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

30. Seminars / Conferences / Workshops organized and the source of funding

Total Organized: 5

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	CME / Clinical meeting	2007- 2011-9-23	150 250	College - University-	College National	5 10
	Total	2	400	-	-	15

N: National; I: International; U: University; C: College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments :

ICME, Helsinki declaration is followed. All department research projects are subjected to the approval of the Institute Ethical Committee

***32. Student Profile program-wise - Students enrolled and performance*:**

a. PG Students

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree / Diploma	**2009-2010**	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.1	45+30=75
UG	**2009-2010**	830	538	264	49.07	55+59=114

Degree						21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1371	984	752	76.42	59+56=115 15+20=36
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

b.Performance in University Examinations:

Name of the Course ***(Refer to Question no. 4)***	**Number of students completed PG Studies and Pass percentage during the past Five Academic Years**					
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
PG Degree **MD/MS** *(Part-I1)*	**2009-2010**	April	---	---	---	---
		October	---	---	---	---
	2010-2011	April	3	2	66.67	---
		October	1	0	0	---
	2011-2012	April	5	4	80	---
		October	1	1	100	---
	2012-2013	April	4	4	100	---
		October	0	0	-	---
	2013-2014	April	5	3	60	---
		October	2	2	100	---
	2014-2015	April	8	6	80	---
		October	2	0	0	---
	2015-2016	April	10	6	60	---
		October	---	---	---	---

Performance in University examinations conducted by SBV:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		Candidates Appeared	Candidates Passed	Pass %
UG Degree (MBBS)	2009-2010	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

A. PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	2009-2010	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-

B.UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of students from within Pondicherry		No. and % of students from Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
				From TN		Other States			
UG Degree (MBBS)	**2009-2010**	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise **NIL**.

35. Student Progression

Student progression	No. & % against enrolled
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	**1%**
PG to Superspeciality - DM / M Ch in the Subject of the Department a.SBV to SBV b.SBV to Other Institutions	**2%**
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	100%

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs

of the same University	**1%**	**5%**
from other Universities within the State	14%	10%
from Universities from other States	85%	85%

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

A.Before joining SBV: ……1……..

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
12.	No. of Books	20600	107
13.	No. of Journals	18	-
14.	No. of e-Journals	Many	-
15.	P.G. Dissertations	33	

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	2	1

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms	3	
2.	Seminar Halls	2	
3.	Demonstration Rooms	7	
4.	Auditorium	1	
5.	Class rooms with ICT facility	3	
6.	Seminar Hall with ICT facility	2	

7.	Auditorium with ICT	Nil	

8	Research Laboratories at the Department	Nil
9	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	1
10	Skill Lab	1
11	Sharing or Usage of the resources of other Departments	Nil

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests.

Nil

E.Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	8
2.	No. of Beds / Dental Chairs (unit wise & Total of the Dept.)	:	240
3.	No. of ICU (name; no. of beds in ICUs)	:	16
4.	No. of Wards belonging to the Department	:	5
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	7
6.	No. of OTs (Major / Minor)	:	-
7.	No. of Labor Rooms / any other facility	:	-
8.	Clinical Examination Room / Demo Room	:	5
9.	List any other facility / services	:	-
10.	No. of Out-patient / day for the Dept. OPD (Average)	:	500 - 550/per unit/ per day
11.	No. of In-patient / day for the Dept. IPD (Average)	:	42 – 44/per unit/per day
12.	No. of Operation / day (Major) carried out by the Department	:	-
13.	No. of Operation / day (Minor) carried out by the Department	:	-
14.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	

F. Clinical Learning Resources

(Only for Pre & Para Clinical Departments offering Diagnostic Services)

Nil

39. List of Doctoral, Post-Doctoral Students and Research Associates: Nil

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms

C. ***Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are as under (common to all Departments)***

Select students get fee waiver.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes need assessment exercise is done before starting new programs.

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes. Annual and semester wise feedback are obtained from all faculty. Changes are done after thorough discussion on the feedback received from the faculty

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Feed backs are obtained from the UG students at the end of the teaching session by a faculty member for theory classes.

At the end of the Ward postings of the UGs feed backs are obtained
At the end of each semester overall feedback is obtained in order to improve the current curriculum

The consolidated feedback obtained from the students are confidentially informed to the concerned faculty after analysis for favor of improvement /corrections if any

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

The alumni feed back is obtained as early as possible. This feed back is given an at most importance by the faculty in special meetings organized for deliberation on these feed backs and constructive steps are taken for future practice.

43. List the distinguished alumni of the department

Dr.Arthanareeswaran – University gold medalist in General Medicine

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

1. Number of SEPs conducted during the last Five Years 2
Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Special Lectures		MGMCRI	1.Prof. V. Mohan 2. Dr.A.L. Periakaruppan	-

- **List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.** Nil

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching

Sl. No	For UG	For PG
1.	Blended	Blended
2.	Skill Laboratory	Learner Centric
3.	Learner Centric	ICT enabled

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Assessment of the students in the Department of General Medicine is a continuous process done systematically by time tested evaluation modules like Written tests, Viva Voce, Clinical problem solving, Social responsibilities.

For PG students Log book maintenance is mandatory, which is periodically scrutinized. Active participant of IQAC.

47. Highlight the participation of students and faculty in extension activities.

Community Health Camps organized by the Institute ,in which the Department Of General Medicine is a main participant. Atleast 7-8 camps are organized per month in which a Consultant(Assistant Professor) and a PG represent the Department.

- **Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.**

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	No. of Beneficiaries
1.	Rural camps	75-80 /year	5000-7500/year

- **Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students**

  Diabetes, HIV, hypertension awareness programmes, Rallies, Public Orientation /sensitization/ awareness lectures

48. Give details of "beyond syllabus scholarly activities" of the department.

- Recent advances/ demos of latest skills/ demos of new equipments; CMEs, DETs, METs, NETs, Clinical meetings SBV-AHEAD / SAF / MEU / DEU / NEU

- Webinars, seminars, workshops, videoconference, on-line lectures.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by statutory regulatory bodies –MCI

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The publications of the members of the Faculty of the department and the thesis work done by the PG students help to generate new knowledge in clinical medicine

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Strengths:

- Well qualified faculty.
- Adequate Faculty-Student ratio in UG teaching and more than the required ratio in PG teaching.

- Infrastructure : Modern teaching environment with ECT ,Departmental library, support services like 24-hour lab and Housing.
- Continuous quality checks, in the curriculum, faculty performance student achievements.
- Rigorous UG teaching programmes and innovative P.G. teaching which gives a great scope for an Individual to become a competent Professional.

Weaknesses:

- Attrition rate among Junior Consultants, which is very high. This hampers the smooth functioning. Steps to be taken, not only to attract but also to retain them.
- Inadequate support services from the Nursing department due to various reasons.
- Research activities are rudimentary ; Faculty not highly motivated in this aspect.
- IT not fully utilized
- Final output not being matched by the Input, particularly among the Senior faculty.

Opportunities:

- In these days of Superspecialization, General Medicine, again has found importance,as a router.The Department is well poised to grab this opportunity.
- As Indians live longer, time has come to explore means of establishing Geriatric services.
- Offer High End services like Master Health Checkup as part of services of the Department,thereby getting revenues for the Department.
- To establish the Department as a top class referral center for uncommon/rare medical conditions as some of the faculty is among the most experienced Physicians in the country.Infectious Diseases referral center.
- Screening of students in and around Puducherry for Life-Style diseases so that the long term complications of these diseases can be kept under control.
- To tap the social media for peer learning.

Challenges:

- To be one of the best Departments for the diagnosis and treatment of medical conditions in this part of the country.
- To offer easily affordable, sustainable services to the community-this is the greatest challenge as the cost of medical care is hitting the roof.
- To produce doctors of high caliber.
- To produce original path breaking research which will serve the needs of the country and its citizens.
- To be globally recognized as a training center for tropical Diseases which will attract students from all over the world.

***52. Future Plans of the Department* :**

Patient care:

- To improve upon existing facilities, to provide the best care in Diagnosis and Treatment, to get the expertise of the very best in the world by Teleconferencing, visiting experts etc. Collaborating with other Centers of Excellence(like JIPMER))

for expertise in fields like Hematology, Oncology, Rheumatology etc.

- To make this center as a regional centre for management of Infectious diseases
- To develop this center as a center for comprehensive care for Diabetes

Teaching:

- Virtual Classrooms-Facilitate our students to attend to the best of the Lectures and workshops worldwide by modern technology.
- Facilitate Interactive sessions with the best in the business.

Research:

- Establishment of a computerized data base of patients, disease profile etc. so that any member of the Faculty or student community can access this data to facilitate research.
- To encourage the faculty and PG students to attend workshops on research methodologies; To learn simple medical statistics.
- Workshops on optimum utilization of the facilities of the Central Research Lab.

53.

a.Salient and Unique Features of the Department

Evaluation of the UG by both conventional methods and OSCE

Feedback obtained from the UG and PG students are sorted out and communicated to the faculty for better performance

b.Innovations of the Department:

- The faculty and post graduates of the department are interconnected through whatsapp(department group and unit group) , Telegram and facebook, being utilized for sharing about day to day activities and patient details especially about critically ill patients who need immediate attention.

c.Best Practices:

1. The department organizes Physician day every year in which senior physician in and around Pondicherry and Cuddalore are honored
2. Exclusively special ward for diabetic patients
3. Department has good number of eBooks available in the central library for PG's and faculty.
4. Monthly faculty meeting to discuss the problems and take decisions on consensus strictly adopting antibiotic policy of the institution
5. Conducting monthly mortality meeting in which every death is critically reviewed
6. Conducting special sensitizing programme for the faculties of this institution in situation of outbreak of epidemics such as Dengue, H1N1, Ebola and SARS
7. Organizing special lecture programmes through foreign resource persons.

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Department of General Surgery

1. Name of the Department : General Surgery

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University*?*

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. Names of Programs Offered *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*

The Department offers the following programmes*:*

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Annual	2002	250	450	5 ½ yrs
PG Degree	MS	Annual	2008	10	18	3yrs

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments
		Within the Institute
1	M.S.General Surgery	Urology
2	M.S.General surgery	Plastic surgery
3	M.S.General Surgery	Paediatric surgery
4	M.S.General Surgery	Radio diagnosis, casualty & anaesthesiology
5	M.S.General Surgery	Cardio thoracic

Nature of Involvement: Clinical teaching, Operative work and patient care.

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.Nil

7. Details of Programs discontinued, if any, with reasons. Nil

8. Examination System : Annual

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
BDS	Dental science	IGIDS
MDS	Dental science	IGIDS
ENT	ENT	MGMCRI

Nature of Involvement: *Clinical &Bedside teaching.& Assisting in surgery*

10. Number of Teaching posts sanctioned, filled and actual
(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	**6**	**6**		**6**
Associate Professor / Reader	6	6		6
Assistant Professor / Lecturers	12	12		12
Subtotal (1)	**24**	**24**		**24**
Demonstrator / Tutor				
Senior Resident	16	15	1	16
Junior Resident	18	17	1	18
Subtotal (2)	**34**	**32**	2	**34**
Grand Total (1+2)	**58**	**56**	**2**	**58**

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Years of Teaching Experience		No. of PG Students at SBV	
				Total	At SBV	Guiding	Guided
1	PROF. & HOD. Dr.T.TIROU AROUL,	MS (General Surgery) 2000	PROF.	**18**	15	2	5
2	PROF. Dr N.ANANTHA KRISHNAN	MS(General Surgery) /FRCS	PROF.	46	7		6
3	PROF. Dr M.RAMANATHAN	MS, 1987 (General Surgery)	PROF.	29	3	2	1
4	PROF. Dr. PALANIAPPAN	MS (General Surgery) 1981	PROF.	20	4	2	2
5	PROF.Dr. GANESH BABU	M.S.,2005, General Surgery	PROF.	13	4	4	1
6	PROF. SRINIVASAN	M.S.,1986, General Surgery, FAIS, DMAS	PROF.	32	1	1	
7	Dr. MANOJ KARTHIK. S	M.S., 2006, General Surgery	Asso. Prof.	8	6	2	1
8	Dr. N.S.KANNAN	M.S., 1984, General Surgery	Associate Professor 01.09.2013	7	7	1	
9	Dr. ALOK MOHANTY	M.S., 2007, General Surgery	Asso. Prof.	10	7	1	2
10	Dr. K.V.RAJAN,	M.S., 1998, General Surgery/ FRCS,2000,	Asso. Prof.	20	6	3	
11	Dr. R.KANNAN	M.S., 2004, General Surgery	Asso. Prof.	14	7	2	
12	Dr. Radhakrishnan	Ms, 1994, General Surgery	Asso. Prof.	7 yrs			
13	Dr. CHETAN ANAND	Ms, 2011, General Surgery	Asst. Prof	6	3		

14	Dr. VINOTH	Ms, 2012, General Surgery	Asst. Prof	5	2		
15	Dr. Ganesh.T	Ms, 2014, General Surgery	Asst. Prof	3	1		
16	Dr. Boopathy	Ms, 2003, General Surgery	Asst. Prof	5	2		
17	Dr. Sasi Kumar	Ms, 2011, General Surgery	Asst. Prof	6	1		
18	Dr. Kaushik.S	Ms, 2014, General Surgery	Asst. Prof	3	1		
19	Dr. Krishnamoorthy	Ms, 2011, General Surgery	Asst. Prof	5			
20	Dr. Vivek Shri Hari	Ms, 2014, General Surgery	Asst. Prof	4			
21	Dr. Tridip dutta baruah	Ms, General Surgery	Asst. Prof	6			
22	Dr. Praveen	Ms, General Surgery	Asst. Prof	6			
23	Dr. Saravana kumar	Ms, General Surgery	Asst. Prof	4			
24	Dr. Durai	MS (General Surgery) 2015	Asst. Prof	4	1		
25	Dr. Vetriveeramani	Ms, 1997, General Surgery	Asst. Prof	4	1		
26	Dr. Lakshmana Perumal	Ms, 1984, General Surgery	Asst. Prof	7	4		
27	Dr. Sakthivel K	MS (General Surgery) 2000	Asst. Prof	5			
28	Dr. Prabhu	MS (General Surgery) 2015	Senior Resident	3			
29	Dr. Abilash.s	MBBS	Senior Resident	3			
30	Dr. Vinay n. Kaushik	MBBS	Senior Resident	3			
31	Dr.	MBBS 1991	Senior	9			

	Balasubramanian.G		Resident				
32	Dr. Muthukumar. T	MBBS 1987	Senior Resident	6			
33	Dr. Balasubramanian.N	MBBS 1994	Senior Resident	9			
34	Dr. Maniraj. R.T	MBBS 1989	Senior Resident	9			
35	Dr. Karthikesh	MBBS	Senior Resident	3			

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl. NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Years of Teaching Experience
1	DR.Robinson Smile S	M.S	Emeritus Professors	General surgery	40yrs

13. Percentage of classes taken by temporary faculty – program-wise information NA

14. Program-wise Teacher Student Ratio

Programme	Teacher Student Ratio
UG	**1 :6**
PG Degree	**1 :2.5**

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Technical. Lab attendant &store keeper	**12**	04	08	**12**
Administrative Staff	Record clerk	02		02	**02**

16. Research thrust areas as recognized by major funding agencies and SBV

1. Study on H.Pylori
2. Study on Gut Microbiota

3. Study on hormonal, Biochemical. Histopathological & genetic profile of Transgenders
4. Breast cancer screening
5. Diabetic foot management.
6. Minimal invasive surgery.

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

10 Numbers of Faculty of the department are involved in 5 Number of Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs
University Funded / Sponsored	**05**			
Total	**05**		**05**	

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials)

The Department has total 3 numbers of Collaborative Projects.

7 faculties of the department are involved in the said Collaborative Projects**.**

Abstract of Collaborative Projects:

No. of Projects from	Number of Ongoing Collaborative Projects	Number of Completed Collaborative Projects	Total
University funded	**3**		
Total	**3**		**3**

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned
		Ongoing	Completed	Total	
1.	Faculty Projects	5		5	nil
2.	Inter-institutional Collaborative Projects				
3.	Students Projects	21	30	51	

	Total	26	30	56	

20. A. Research facility / Centre available to carry out research :-

- In other college (give details of facilities used by your department) **:**

  Clinical material & Equipments in IGIDS, KGNC, SSSMCRI

- At central level (give details of facilities used by your department) **:**

  CIDRF, SKILL LAB

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV: CIDRF

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	158	28
International Journals	200	39
S.B.V. University Journals		04
Total	**358**	**71**

B. Monographs: 1

Sl. No.	Name of the Faculty	Topic of Monograph	Print *or* Online	Year
1.	Prof.Robinson smile	Checklist before dispatching a laboratory requisition	Print	2014

C.Chapters in Books: Total ……93…… Chapters in books published by 1 Faculty.

Sl. No.	Name of the Faculty	Name of Chapter	Name of the Book / ISBN No.
1	Dr.N.Ananthakrishnan	Manual for training on Concepts of Essential Drugs and Rationalized drug use"	Teaching manual by the WHO
		"A Textbook of Surgery for Undergraduates	December 1993.
		"Head and Neck Cancer	February 1983

D.Books edited: Total 2 books edited by 1 Faculty.

Sl. No.	Name of the Faculty	Name of the Book / ISBN No.	Year and edition
	Dr.N.Ananthakrishnan	Medical Education - principles and practice"	October 1995
		The ASI textbook of Surgery	1998

E.Books Published with ISBN with details of publishers: ***Nil***

F.Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Scopus					1		
PubMed		1	6	2	10	6	3
Google Scholar				5	6	5	7

23. Details of Patents and income generated:Nil

24. Areas of Consultancy and income generatedNil

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad

Sl. No.	Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
		National	International		
1	Prof. Tirouaroul		*	2012	Collaboration with Glasgow Univ. UK
2	Prof. S. Robinson Smile	*	*	2012	Collaboration with Glasgow Univ. UK
***3**	Prof. Ananthakrishnan	*	*	2012	Collaboration with Glasgow Univ. UK

4	Prof. D.R. Gunasekaran		*	2012	Collaboration with Glasgow Univ.UK
5	Prof. Ananthakrishnan		**	2015	Collaboration with Dundee Univ. UK
	Total		5		

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	**Faculty**	**National Committees**	**International Committees**	**Editorial Boards***		**Any other (Specify)**	
				N	**I**	**N**	**I**
1	Prof. Ananthakrishnan	PG curriculum committee		*	*		
2	Prof. C.P.Ganesh Babu			*	*		
3	Dr. N.S. Kannan				*		
4	Dr. Kaushik				*		
5	Dr. K.V.Rajan				*		
	Total				5		

**- includes editor, subeditors, peer reviewer*

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs- last FIVE years).

- Faculty members have attended 19 No. of FDPs.

Sl. No.	**Type of FDP**	**State / University Level**
1.	Orientation Programme	6
2.	Refresher programme	5
3.	Workshops	1
4.	Seminars / Symposia / Conferences	3

5.	CMEs/CDEs/MET/DET/ Clinical meets	
6.	Special Lectures	4
7.	Any other	
	TOTAL	19

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	Nil		
2.	Any other UG Students Projects sponsored by SBV or Others	3		3
3.	No. of PG Dissertations based on Research Work	18	30	48
	Total	21	30	51

- percentage of students who have taken up in-house projects including Inter-departmental projects :
  100%

- percentage of students doing projects in collaboration with other universities / Industry / institute :Nil

- **Details of Students STS ICMR Projects**: Nil

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University	National Level	Inter national	Total	State/ University	National Level	Inter national	Total

		Level		Level		Level		Level	
1.	Faculty			5	5	8	3		11

The details of the awards and recognition received by the faculty are:
Prof.Ananthakrishnan& Prof.S.Robinson

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

30. Seminars / Conferences / Workshops organized and the source of funding (State / National / International) with details of outstanding participants, if any.

Total Organized: 4
(International: 1…….; National: …….; State: …3….; University: …….; College: …….).

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Conferences	2015 2011	250 450	SBV/ASI	university	**I**-1 **E**-11
2.	Seminars					
3.	Workshops	2015	125	SBV/	university	**E**-1
4.	Skill based training	2013	24	SBV	university	**E**-1
5.	CME / Clinical meeting	2010 2013	600 525	SBV	university	**I**-1 **E**-5 **E**-6
6.	Any other (Guest lecturers; training/ induction programs)	Rela2012 Rajaraman2013 Krishna Seshatri 2014	50			
	Total					

N: National; I: International; U: University; C; College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments
***Institute** Human **Ethical Committee** /HELSINKI ethical committee*

***32. Student Profile program-wise - Students enrolled and performance*:**

A. **PG Students**

Enrollment (Central Data)

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree / Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75
UG Degree	2009-2010	830	538	264	49.07	55+59-114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

Performance in University Examinations: (Central Data)

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		Candidates Appeared	Candidates Passed	Pass %
UG Degree (MBBS)	**2009-2010**	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
		December	442	369	83

33. Diversity of Students:

a. PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	2009-2010	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-

b. *UG Students from 2009-2014: student diversity is given in table (Common to all departments)*

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of students from within Pondicherry		No. and % of students from Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
				From TN		Other States			
UG Degree (MBBS)	2009-2010	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET,

SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.

35. Student Progression

Student progression	No. & % against enrolled
PG to Superspeciality - DM / M Ch in the Subject of the Department a.SBV to SBV b.SBV to Other Institutions	**2** **4**
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	5 joined and 2 left for government services
Entrepreneurs / Self Employed / Practitioners from among the Dept. PG / Super speciality students	24

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University	2/40	2/40
from other Universities within the State	2/40	2/40
from Universities from other States	36/40	36/40
from Universities outside the Country	nil	Nil

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

F. Before joining SBV: …3…FRCS, 3 Faculty

G. After joining SBV (2008 – 2015): …nil

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
16	No. of Books		180
17	P.G. Dissertations		34

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	3	1

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms		Shared
2.	Seminar Halls	3	
3.	Demonstration Rooms	3	
4.	Class rooms with ICT facility	1	
5.	Seminar Hall with ICT facility	2	

6	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	18
7	Skill Lab	10
8	Sharing or Usage of the resources of other Departments	Clinical data& laboratory services

D. List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. (Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C)

Olympus Laparoscopy, Fujinorn colonoscope, Olympus Endoscopy, Hand –held Doppler, Ethicon Harmonic scalpel.

E. Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	8
2.	No. of Beds / Dental Chairs (unit wise & Total of the Dept.)	:	240,30Per Unit
3.	No. of ICU (name; no. of beds in ICUs)	:	1, 7 Beds
4.	No. of Wards belonging to the Department	:	4
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	8 / 5 daily /3 once a week

6.	No. of OTs (Major / Minor)	:	Major-5, Minor-2
7.	No. of Labor Rooms / any other facility	:	NA
8.	Clinical Examination Room / Demo Room	:	5
9.	List any other facility / services	:	Endoscopy Suite
10.	No. of Out-patient / day for the Dept. OPD (Average)	:	450 Per day
11.	No. of In-patient / day for the Dept. IPD (Average)	:	200 Total
12.	No. of Operation / day (Major) carried out by the Department	:	Major-15
13.	No. of Operation / day (Minor) carried out by the Department	:	Minor-40
14.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	17 upper GI Endoscopy Per Day & 3 Lower GI

F. Clinical Learning Resources
(Only for Pre & Para Clinical Departments offering Diagnostic Services)

1.	No. of Diagnostic Labs.	:	Nil
2.	List of Unique Diagnostic Equipments (Name and No.)	:	Endoscopy -1, Colonoscopy-1& hand held doppler -1
3.	List of major diagnostic services	:	Endoscopy
4.	Avg. No. of diagnostic tests / day	:	20

39. List of Doctoral, Post-Doctoral Students and Research Associates: Nil

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. ***Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms***

C. ***Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies.***

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes .As per requirement of the community programme was started

42. Does the department obtain FEEDBACK from

a.Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

YES, constructive Utilization based on students feedback changes made. Eg: OSCE as TL Method

b.Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

YES, constructive Utilization

c.Alumni and employers on the programs offered and how does the department utilize the feedback?

YES, constructive Utilization

43. List the distinguished alumni of the department (maximum 10): NIL

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

- **Number of SEPs conducted during the last Five Years -2**

Details are as follows:

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1	Workshops / Hands on Training	2015 2014	MGMCRI	2 1	1
2	Clinical Meetings	12/year	SAF/MGMCRI		

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching

Sl. No	For UG	For PG
1.	Lecture	Seminar
2.	Symposium	Clinics
3.	Skills Labs	Journal Club
4	Bed side Clinics	Webinar

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Ward Leaving Tests are conducted at the end of clinical postings for UGs Internal Assessment test are conducted at the end of the term, feedback obtained along with ward leaving tests.

***47. Highlight the participation of students and faculty in extension activities*.Nil**

48. Give details of "beyond syllabus scholarly activities" of the department.Nil

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. All the programmes are approved by statutory regulatory bodies.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research (eg. Research publications, surveys, trials and PG dissertations and other research inputs /outputs are as under:
- New methods of diagnostics, tests, methods, skills for treatment and management are as under:
- Any other i*nnovative Procedure*
- Vein graft replacement of parotid duct for chronic parotid duct fistula .
- A new operative procedure for adult rectal prolapse–"postero-lateral extra peritoneal sigmoidopexy".
- Keel repair of inguinal hernia - an extension of Rodney Maingot's operation for ventral hernias.
- Role and application of immediate phalloplasty in the management of carcinoma penis.
- A new operation for chronic venous ulcers - the modified Felder-Rob procedure .
- Vein valve graft for primary sapheno-femoral incompetence .

- Double GJ for post Gastrojejunostomy stomal obstruction.
- Midcolon esophagocoloplasty for corrosive esophageal stricture .
- A simple technique of closing the paracolostomy recess in iliac colostomy .
- Pectoralis major myo-cutaneous flap repair for cricopharyngeal strictures due to corrosive injury .
- Sternomastoid myo-cutaneous flap for cricopharyngeal corrosive strictures .
- A technique to prevent duodenal blowout after difficult gastrectomies .
- Reconstruction of cheek defect with fore-head flap in one stage.

51. Detail major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Team Work	Floating faculty population	Expectant population	Ethical issues
2.	Renowned Faculty	Day care surgeries	Collaborations with superspeciality departments	Increasing number of medical college
3.	Infrastructure		Large number of students	Clinical research concerns
4.	Variety of clinical material			Lack of awareness of patients

***52. Future Plans of the Department* :**

- Academics: Newer courses Like certificate course Endoscopy & laparoscopy Training
- TLE Methods To recommend OSCE as assessment tool and preparatory course for exam going post graduates
- Research; Genetic, morphological ,histopathological and hormonal study of transgenders
- Extension; camps for epidemiological studies of carcinoma of breast ,circumcision camps,diabetic foot care camp
- Infrastructure (Physical & Learning Resources)to procure endotrainers and simulators

53.

a. Salient and Unique Features of the Departmen; PG clinics by all faculty training for PGS in skills lab , comprehensive clinics for transgenders and catering to their specific needs.

*b. Innovations of the Department;*live telecast of open and laparoscopic surgeries .

c. Best Practices; Infection control policies as per HICC guidelines ,inpatient and outpatient forms as per NABH,issuing interns dairy compiled by faculty ,regular departmental audit.

d. Any other point which the department wants to state

Plan for hernia camp, hydrocele camp.

****

Obstetrics and Gynaecology

1. ***Name of the Department*** : Obstetrics and Gynaecology

2. ***Year of Establishment*** : 2001

3. ***Is the Department part of a College / Faculty of the University****?*

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. ***Names of Programs Offered*** *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*

The Department offers the following programmes*:*

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Semester	2001	250	850	4 ½ Years + 1 Year CRRI
PG Degree	MS	Annual	2007	2007 to2008-2 2009-3 2010 to 2014-4 2015-6	16	3years
PG Diploma	DGO	Annual	2007	2007 to 2014- 2	4	2years

5. ***Interdisciplinary Programs and Departments involved***

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department

Sl. No.	Name of the Programmes offered by our Department	Involved Departments

		Within the Institute	of Other Institutes
1	MD	Anaesthesiology, Paediatrics	Gynaeconcology Adyar Cancer Institute
2	DGO	Anaesthesiology, Paediatrics	Gynaec oncology Adyar Cancer Institute

Nature of Involvement:

Observership for 15days in Neonatology, 15 days each in Anaesthesiology and Gynaec Oncology.

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

Nil

7. Details of Programs discontinued, if any, with reasons.nil

8. *Examination System : Annual*

9. *Participation of the Department in the Courses offered by other Departments*

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
Fellowship	Department of Obstetrics & Gynaecology	Kasturba Gandhi Nursing College

Nature of Involvement: Department of Obstetrics & Gynaecology handles certain topics for fellowship students of KGNC.

10. Number of Teaching posts sanctioned, filled and actual
(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	1	2	3
Associate Professor /	5	1	3	4
Assistant Professor / Lecturers	10	1	10	11
Subtotal (1)	16	3	15	18
Senior Resident	8		3	3
Junior Resident	10		12	12
Subtotal (2)	18	0	15	15
Grand Total (1+2)	34	3	30	33

11.Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr. Seetesh Ghose	MD	Professor	OG	18yrs	13yrs	4	8
2	Dr. Rani Reddy	MD	Professor	OG	32yrs	1 year	3	-
3	Dr. Sunitha Samal	MD	Professor	OG	8yrs	8yrs	1	3
4	Dr. Pallavee	MD	Assoc. Prof.	OG	8yrs	8yrs	1	2
5	Dr. Anand Raj	MD	Assoc. Prof.	OG	7yrs	3yrs		
6	Dr. Lopamudra John	MD, DNB	Assoc. Prof.	OG	7yrs	6yrs		
7	Dr. Jasmina begum	MD	Assoc. Prof.	OG	6yrs	3yrs		
8	Dr. Shweta	MD	Asst. Prof.	OG	3yrs	3yrs		
9	Dr. Vasavi Kolluru	MS	Asst. Prof.	OG	3yrs	2 yrs		
10	Dr. Anitha .A	MD	Asst. Prof.	OG	3 yrs	1yr		
11	Dr. Rupal Samal	MD, DNB	Asst. Prof.	OG	2yrs	2yrs		

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
12	Dr. Preethi	MD	Asst. Prof.	OG	2yrs	2yrs		
13	Dr. Aishwarya Jagan	MD, DNB	Asst. Prof.	OG	2yrs	2yrs		
14	Dr. Sethu Rathod	MD, DNB	Asst. Prof.	OG	2yrs	2yrs		
15	Dr. Sunil Kumar Samal	MD, DNB	Asst. Prof.	OG	2yrs	2yrs		
16	Dr. Sharmila	MS	Asst. Prof.	OG	9mths	9mths		
17	Dr. RamanaPriya	MD	Asst. Prof.	OG	6 mths	6 mths		
18	Dr. Maya	MD	Asst. Prof.	OG	10 mths	5 mths		

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities):*** **NIL**

c. ***Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students:*** **NIL**

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors: **NIL**

13. Percentage of classes taken by temporary faculty – program-wise information: **Nil**

14. Program-wise Teacher Student Ratio *(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

Programme	Teacher Student Ratio
UG	**1 : 14**
PG Degree	1 : 1
PG Diploma	1 : 1

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Technical Assistant	**4**	**5**	**3**	**8**
Administrative Staff	Office Assistant	3	-	2	2
Total		7	5	5	10

16. Research thrust areas as recognized by major funding agencies and SBV

Labour analgesia, Induction of labour, PIH, Preterm labour, PPH, Anaemia.

Infertility, Stress incontinence.

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

6 Numbers of Faculty of the department are involved in 8 Number of Research Projects.<u>Abstract of Projects:</u>

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs
Department / Self Funded	**7**	**1**	**8**	**Nil**

a. Details of the Projects: Ongoing Projects:

Sl.No	PI, Co-PI and Project Title	Duration	National / International / SBV/ Department sponsored
1.	PI: DR. Sunita Samal	1 year	Department sponsored
2.	PI: Dr. Vasavi Kolluru	1 year	Department sponsored
3.	PI: Dr. Aishwarya Jagan	1 year	Department sponsored
4.	PI: Dr. Lopa mudra	1 year	Department sponsored
5.	PI: Dr. Lopa mudra	1 year	Department sponsored
6.	PI: Dr. Jasmina Begum	1 year	Department sponsored
7	PI: Dr. Jasmina Begum	1 year	Department sponsored

b. Completed Projects:

Sl.No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department

					sponsored
1.	PI- Dr. AnandRaj Co-I: Dr. Rani Reddi "Doppler Velocimetry and Perinatal Outcome In IUGR foetuses: A comparative study"	NIL	NIL	1year	Department sponsored

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) : NIL

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	**Type of funded projects**	**No. of Projects**		
		Ongoing	**Completed**	**Total**
1.	Faculty Projects	7	1	8
2.	Inter-institutional Collaborative Projects	1		1
3.	Students Projects	3	1	4
	Total	11	2	13

20. A. Research facility / Centre available to carry out research :-

- In the department (give details of facilities in brief)**:**

  —Ultrasound, Laparoscope, Hysteroscop, Colposcopy, CTG machine, Cryocautry, Vacuum Delivery System**.**

- In other departments (give details of facilities used by your department) **:**

  Central laboratory – Department of Biochemistry, Microbiology& Pathology

  Genetic Laboratory- Department of Anatomy

  Department of Pediatrics

  Department of Urology

B.***Research facility / centre with:***National Recognition

21. ***Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:***

CIDRF

22. A. Research Publications: Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	34	35
International Journals	17	26
State Journals	-	2
Total	51	36

B. Monographs: NIL

C.Chapters in Books: 10

1	Dr.Seetesh Ghose	Obstetrics and psychosocial outcome of teenage pregnancy.	Teenage pregnancy problems and solutions/ISBN No 9789350904459	2013	Jaypee Brothers Medical Publishers(P)Ltd
2	Dr.Seetesh Ghose	Writing the methods section	Medical postgraduate Dissertations a step by / ISBN No9789382521037	2013	United India Periodicals Pvt. Ltd.
3	Dr.Reddi Rani P	Gestational Diabetes Mellitus (GDM) – Screening tests	Diabetes-update	2009	Tagore Medical House, Chandigarh.
4	Dr.Reddi Rani P	Injectable contraceptives	CMJ Year Book	2009	Tagore Medical House, Chandigarh.
5	Dr.Reddi Rani P	Shock in obstetrics	Emergency Medicine	2010	Tagore Medical House, Chandigarh.
6	Dr.Reddi Rani P	Vaginal bleeding in early pregnancy	Clinical methods in OBG –a problem based approach	2012	University Press
7	Dr.Reddi Rani P	Vaginal bleeding in Late pregnancy	Clinical methods in OBG –a problem based approach	2012	University Press
8	Dr.Reddi Rani P	Mass descending PV	Clinical methods in OBG –a problem based approach	2012	University Press
9	Dr.Reddi Rani P	Vomiting in pregnancy	Clinical methods in OBG –a problem based approach	2012	University Press
10	Dr.Reddi Rani P	Post partum Haemorrhage	Clinical methods in OBG –a problem based approach	2012	University Press

D.Books edited:. NIL

E.Books Published with ISBN with details of publishers:. NIL

F.Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of Publications in Databases	1	2	3	7	2	39	3
Scopus				2	2	1	
PubMed		2	1			12	3
Google Scholar	1		2	5		6	

23. Details of Patents and income generated:NIL

24. Areas of Consultancy and income generated:NIL

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad:NIL

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Society	International Committees	Editorial Board/Reviewers		Any other (Specify)	
				N	**I**	**N**	**I**
1	21	FOGSI					
2	5			1	4		

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended …104……. no. of FDPs.(2010-15).
  (15……..International; 37…… National; 52……State/University; …… College).

- On an average, each faculty attends 3 FDPs in a year

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs																		Total
		State / University Level						National Level						International Level						
	Years	10	11	12	13	14	15	10	11	12	13	14	15	10	11	12	13	14	15	
1	Workshops	0	1	2	4	9	0	1	5	1	2	1	1	0	0	2	2	3	0	34
2	Seminars / Symposia / Conferences	1	0	1	0	6	0	2	1	3	8	2	6	0	1	3	2	2	0	38
3	CMEs/CDEs/ MET/DET/ Clinical meets	11	4	5	5	2	1	0	0	1	2	1	0	0	0	0	0	0	0	32
	TOTAL	3	5	8	9	17	1	3	6	5	12	4	7	0	1	5	4	5	0	104

28. *Student Projects*

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	2	1	3
2.	Any other UG Students Projects sponsored by SBV or Others	1		1
3.	No. of PG Dissertations based on Research Work	10	19	29
4.	Any other Projects done by PG Students other than Dissertations	1		
	Total	14	20	

- percentage of students who have taken up in-house projects including Inter-departmental projects :UG – 0.8%, PG – 100%

- percentage of students doing projects in collaboration with other universities / Industry / institute : NIL

Details of Students STS ICMR Projects:

Name of the Student	Name of the Guide	Year	Title of the Project
Ms.Shalima	Dr. Kalaivani Dr.Seetesh	2015	Bacteriological profile of asymptomatic bacteriuria in antenatal women and detection os ELBS production of the gram negative Bacilli.
Ms.Jaya Preetha R	Dr.Sumathi Dr.Sunita	2014	A study on effect of music on labour pain and cervical dilatation during first stage of labour
Ms. M.Induja	Dr.Seetesh	2012	Screening for helicobacter pylori infection in pregnant women with anaemia

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	Inter National Level	Total	State/ University Level	National Level	Inter National Level	Total
1.	Faculty		1		1		18		18

30. Seminars / Conferences / Workshops organized and the source of funding (State / National / International) with details of outstanding participants, if any.

Total Organized: 1
Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1	CME / Clinical meeting	28.2.2010	75	College	C	0/4

N: National; I: International; U: University; C; College I: Internal; E: External

31. Code of Ethics for Research followed by the Departments: Yes follow ICMR guidelines

32. ***Student Profile program-wise - Students enrolled and performance*:**

A. PG Students -

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree / Diploma	**2009-2010**	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	5+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75
UG Degree	**2009-2010**	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

***b.Performance in University Examinations*:**

Name of the Course *(Refer to*	Academic	Candidates Appeared		

Question no. 4)	Year		Candidates Passed	Pass %
PG Degree	2009-2010	2	2	100
	2010-2011	2	1	50
	2011-2012	3	3	100
	2012-2013	5	4	80
	2013-2014	3	3	100
	2014-2015	4	4	100
PG Diploma	2009-2010	2	2	100
	2010-2011	2	2	100
	2011-2012	1	1	100
	2012-2013	2	2	100
	2013-2014	2	2	100
	2014-2015	1	1	100

Performance in University examinations conducted by SBV:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		Candidates Appeared	Candidates Passed	Pass %
UG Degree (MBBS)	2009-2010	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

A. PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	**2009-2010**	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-

B. UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course	Year	No. and % of students from	No. and % of students from Outside Pondicherry	No. and % of Students from

(Refer to Question No. 4)		within Pondicherry		From TN		Other States		Other Countries (Outside India)	
UG Degree (MBBS)	**2009-2010**	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise*.nil*

35. Student Progression

Student progression	No. & % against enrolled
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	**2**
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	At SBV-2
Entrepreneurs / Self Employed / Practitioners from among the Dept. PG / Super speciality students	Practitioners – 27

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University		**2**
from other Universities within the State	2	5
from Universities from other States	16	11

37. Number of faculty who were awarded any other higher degree after PG.

A.Before joining SBV:2

B.After joining SBV (2008 – 2015): 6

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
18.	No. of Books	900 e-books	115
19.	No. of Journals	9	
20.	No. of e-Journals	60	
21.	P.G. Dissertations	19	19

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	2	2

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

S.No.	Area	Exclusive	Common
1.	Class Rooms		8
2.	Seminar Halls	1	
3.	Demonstration Rooms	4	
4	Class rooms with ICT facility		8
5	Seminar Hall with ICT facility	2	

6	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	:	Yes. Specimen-20.Mannequin-2.Model-3.Charts-20

7	Skill Lab	:	Details Central skill lab

D. List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. (Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C)

EQUIPMENT	MODEL & MAKE	APPROX COST(Lacs)	FUNC STATUS
Laparoscope	ECS777HD	8.4	YES
Hysteroscope	2.9mm 30	9.5	YES
Colposcope	222-DX	2.5	YES
USG machine	Logic QP5	13.75	YES
CTG machine	BT-350	1.6	YES
ElectricalVentousse	Medsil	1.5	YES

E. Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	5
2.	No. of Beds / Dental Chairs (unit wise & Total of the Dept.)	:	30/150
3.	No. of ICU (name; no. of beds in ICUs)	:	4
4.	No. of Wards belonging to the Department	:	4 Antenatal,Postnatal,Labour,Post-operative

5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	10 ANC – daily High Risk – once PNC – once Cancer – once Infertility – once Gynaec endocrinology – once Family planning – once Menopause – once Urogynaecology – once Adolescent – once
6.	No. of OTs (Major / Minor)	:	2/1
7.	No. of Labor Rooms / any other facility	:	5
8.	Clinical Examination Room / Demo Room	:	6/4
9.	List any other facility / services	:	
10.	No. of Out-patient / day for the Dept. OPD (Average)	:	100-150
11.	No. of In-patient / day for the Dept. IPD (Average)	:	100
12.	No. of Operation / day (Major) carried out by the Department	:	4
13.	No. of Operation / day (Minor) carried out by the Department	:	4
14.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	15

Clinical Learning Resources
(Only for Pre & Para Clinical Departments offering Diagnostic Services):nil

39. List of Doctoral, Post-Doctoral Students and Research Associates: *NIL*

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. ***Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per***

month as per norms.

C. ***Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies.*** *Management provides fee waiver for selected students.*

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- Yes.
- Curriculum revision is being conducted every 5 years based on the feedback**.**

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes.

Students on staff – Feedback utilized for improvement in teaching learning methods.
Students on curriculum – Utilized for curriculum revision
Student o teaching learning evaluation – Utilized for improvement in curriculum.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Based on the feed-back given by our alumni we have introduced informal basic training of ultrasound, colposcopy and gynaecological endoscopy into the PG curriculum.

43. List the distinguished alumni of the department :

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1	Dr. Asha	Nagarkoil GH	Assistant Surgeon	Nagarkoil
2	Dr. Tanvir	Ahmabad	Senior Resident in department of endoscopy+ urogynecology	Ahmedabad
3	Dr. Ramya	Apollo Cradle	Registrar	Chennai
4	Dr. Ramya Tulsi	Oxford Medical College	Assistant Professor	Banglore
5	Dr. Maheswari	Srivilliputtur GH	Assistant Surgeon	Srivilliputtur GH
6	Dr. Sowjanya	Fernandaz Hospital	Registrar	Hyderabad
7	Dr. Harneet	Gov, Medical College	Senior resident	Punjab

8	Dr. Janani	Chettinad Medical College	Senior Resident	Chettinad
9	Dr. Mariyam	Kadayanallur GH	Assistant Surgeon	Kadayanallur
10	Dr. Ramya	Muthukumaran Medical College	Senior Resident	Chennai

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

A.Number of SEPs conducted during the last Five Years …4…….
Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Special Lectures	19/08/10 25/06/12 28/09/12 29/04/15	MGMCRI MGMCRI MGMCRI MGMCRI	Dr.A.K.Debdas Dr.Kamala Selvaraj Dr. Nitin Kekre Dr Geetha Ezhilraj	Dr.Seetesh Dr.Sendhil

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching (Conventional, Interactive, Blended, Learner Centric, Skill Laboratory, Virtual Laboratory, ICT enabled (Video Conferencing, Webinars, LMS, ERP, or any other, etc.)

Sl. No	For UG	For PG
1.	Conventional	Conventional
2.	Interactive	Interactive
3.	Blended	Blended
4.	Skill Laboratory	Video seminars
5	Small group teaching	Mini clinical examination
6	Integrated teaching	Integrated teaching

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

UG – theory assessment at the end of each semester and clinical assessment at the end of clinical postings.

PG – theory assessment yearly and clinical assessment during ward rounds in the form of case demonstration.

47. Highlight the participation of students and faculty in extension activities.

- **Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.**

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	No. of Beneficiaries
1.	10	2010	086+
2.	15	2011	14
3.	31	2012	18
4.	26	2013	64
5.	23	2014	61

- **Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students**

- Orientation /sensitization/ **Awareness lectures: 9**

48. Give details of "beyond syllabus scholarly activities" of the department. **nil**

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes. All the programs are approved by Statutory regulatory bodies –MCI

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research (eg. Research publications, surveys, trials and PG dissertations and other research inputs /outputs are as under:
  - Use of membrane swiping as a method of induction.
  - Use of urinary protein creatin ratio in PIH
  - Use of TVS in measuring the cervical length in predicting preterm labour.
  - Use of misoprostole and Mifepristone in the management of IUFD

- New methods of diagnostics, tests, methods, skills for treatment and management are as under:

    - Use of cotton umbilical tape for sling surgery in pelvic organ prolapsed
    - Use of SNP for the prediction of GDM (Pilot study)

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Infrastructure	Collaborative Research	Establishing state of art laparoscopic center.	Meeting the expectation of the Patient
2.	Clinical material	Publication	Establishing state of art Fertility center	Balance between academic and clinical activities.
3.	Qualified faculty		Establishing state of art Gynacological oncosurgical unit.	Creating quality first contact physician.
4.	24X7X365 quality Patient care		Research with the help of CIDRF	Adapting clinical practice according to patient's cultural belief

***52. Future Plans of the Department* :**

- Academics: Newer courses (UG,PG,Certificate,others)Certificate course in minimal access surgery
- Setting of reproductive unit, oncology,fetal medicine
- Research: Stem cell research from foetal blood.
- Extension: Establishing women and child health block.
- FDPs: Advance course in Medical Education Technology for all the junior faculty.
- SDPs: Orientation program for the MBBS students as they enter into the clinical year.

53.

a. Salient and Unique Features of the Department

- Free obstetrics and gynaec services
- Free critical care service for economically backward class

b.Innovations of the Department:

- Use of cotton umbilical tape for sling surgery in pelvic organ prolapsed
- Use of SNP for the prediction of GDM (Pilot study)

c.Best Practices:

Patient care

- Labour analgesia
- Use of identification tag for mother and the new born
- Specialty clinics (Transgender , Adolescent gynaecology, Cancer screening, Uro-gynaecology , Menopause ,Family planning &Infertility)
- High risk obstetrics
- Use of AV aids in patient education.
- Patient feed back form
- Music therapy for Antenatal women
- Diet counselling
- Only Medical method for MTP, No surgical method.

Student activities

- **Mentor mentee system in place**
- Use of manikin in UG teaching
- Use of student feed back on clinical posting
- Use of CRRI feed back on curriculum
- Use of PG feedback on curriculum
- Use of skills lab
- Parents teachers meeting

Department of ENT

1. Name of the Department : OTORHINOLARYNGOLOGY

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University*?*

Yes, the Department is a part of Mahatma Gandhi Medical College & Research Institute, a Constituent Unit of Sri Balaji Vidyapeeth, Pondicherry, under the Faculty of Medicine.

4. Names of Programs Offered *(UG, PG, Dip.)*

The Department offers the following programmes:

Course Level	*Course Name*	*Annual / Semester*	*Year of Starting*	*Number of Intake Per Year*	*Current Student Strength*	*Duration of Course*
UG	MBBS	Annual	2001	250	150	4.5
PG Degree	MS	Annual	2007	2	6	3
PG Diploma	DLO	Annual	2008	1	1	2

5.Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	*Name of the Programmes offered by our Department*	*Involved Departments*	
		Within the Institute	*of Other Institutes*
1	MS Otorhinolaryngology, Diploma in Otorhinolaryngology	RADIODIAGNOSIS	
2		ANAESTHESIA	
3		GENERAL SURGERY	
4		PLASTIC SURGERY	
5			Advanced training in ENT at MADRAS ENT RESEARCH FOUNDATION under the guidance of Padmashree Dr. Mohan Kameswaran

Nature of Involvement**:** Posted for clinical training and observership

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc: Nil

7. Details of Programs discontinued, if any, with reasons: NA

8.Examination System : Annual

9.Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Department
MDS	Oral And Maxillofacial Surgery Of Indira Gandhi Institute Of Dental Sciences, Pondicherry

Nature of Involvement: Posted for clinical training and observership

10.Number of Teaching posts sanctioned, filled and actual

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	2	0	2
Associate Professor / Reader	1	1	0	1
Assistant Professor / Lecturers	2	2	2	4
Subtotal (1)	4	5	2	7
Demonstrator / Tutor	0	0	0	0
Senior Resident	2	3	2	5
Junior Resident	3	5	2	7
Subtotal (2)	5	8	4	12
Grand Total (1+2)	9	13	6	19

11.Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr. P. Karthikeyan	DLO,DNB	Professor and Head of the Department	Rhinology, OSA	17	14	6	8
2	Dr. Nirmal Coumare	MS	Professor	Head and neck surgery	15	10	6	8
3	Dr. Vijayasundaram	DLO,DNB	Associate Professor	Rhinology and endoscopic ear surgeries	17	9		
4	Dr. Satvinder Singh Bakshi	MS,DNB	Assistant Professor	Facial plastic surgery and skull base	8	2		
5	Dr. Madhupriya	MS,DNB	Assistant Professor	Laryngology and Voice	8	1		
6	Dr. Sithananda Kumar @ Venkatesan R	MS	Assistant Professor	Otology and skull base	7	1		
7	Dr. Neelima	MS	Assistant Professor	Rhinology	4	1		
8	Dr. Govindarajan	MS, DLO	Senior Resident	Rhinology	1	1		
9	Dr. Bini Mohan	MS	Senior Resident	Otology	< 1	< 1		
10	Dr. Davis Thomas P	MS	Senior Resident	Otology and skull base	< 1	< 1		
11	Dr. Lavanya Karanam	MS	Senior Resident	Laryngology and Voice	< 1	< 1		
12	Dr. Parthibaraja	MBBS	Senior Resident	Rhinology	7	7		

12.List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl.No.	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Years of Teaching Experience	Remarks
1	Padmashree Dr Mohan Kameshwaran	MS,DLO,FRCS,MNAMS	Honorary Professor, SRMC	Cochlear Implant and OSA	30	Emeritus Professor

*13.Percentage of classes taken by temporary faculty – program-wise information***Nil**

14.Program-wise Teacher Student Ratio *(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

Programme	Teacher Student Ratio

UG	1 :15
PG Degree	1 :1
PG Diploma	i. :1

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Audiologist	2	1	1	2
	Clinical assistant	2	1	1	1
Administrative Staff	Clerk	1	0	1	1
	Staff nurse	1	0	1	1
Total		6	2	4	6

16. Research thrust areas as recognized by major funding agencies and SBV

Allergic Rhinitis
Neonatal screening
Endoscopic sinus surgeries and its extended applications
Dysphagia and swallowing disorders

17.Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise*. NA*

…5….. Numbers of Faculty of the department are involved in ……5…….. Number of Research Projects.

No. of Projects from	Number of Ongoing Projects	Funds Received in Lakhs
Department / Self Funded	5	NA
Total	5	NA

Details of the Projects:

a.Ongoing Projects:

Sl. No	PI, Co-PI and Project Title	Funding Agency	Duration	National / International / SBV/ Department

				sponsored
1	Dr. Vijayasundaram Intratympanic Triamcinolone injections for intractable tinnitus-a randomized study	SBVU	1 year	Department sponsored
2	Dr. P. Karthikeyan, Dr. Davis Thomas. Causes of hearing impairment in low achieving school children – an observational cross-sectional study	SBVU	1 year	Department sponsored
3	Dr. Vijayasundaram, Dr. Madhu Priya. Intraturbinal injection of sclerosing agent as salvage treatment for inferior turbinate hypertrophy	SBVU	6 months	Department sponsored
4	Dr. Satvinder Singh Bakshi. Effect of steroids on ocular symptoms in Allergic Rhinitis	SBVU	1 year	Department sponsored
5	Dr. P. Karthikeyan, Dr. Neelima Vijayan. The impact of different nasal packings on postoperative complications	SBVU	6 months	Department sponsored

18.Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) : NA

19.Departmental Projects funded / sponsored by ICMR / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned
		Ongoing	Completed	Total	
1.	Faculty Projects	5	0	5	Department sponsored
2.	Students Projects	0	2	2	20,000
	Total	5	2	7	20,000

20. A. Research facility / Centre available to carry out research :-

- In the department (give details of facilities in brief)**: Audiology room, Endoscopy suite, Temporal bone lab, Department library and museum.**
- At central level (give details of facilities used by your department) **: CIDRF**

B.Research facility / centre with: (recognized by national and international agencies for providing assistance for research) CIDRF

21.Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:
CIDRF

22.A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	**8**	**9**
International Journals	**2**	**12**
Total	**10**	**21**

B. Books Published with ISBN with details of publishers:

Total 4 Books with ISBN published by1 Faculty.

Sl. No.	Name of the Faculty	Name of Chapter	ISBN No.	Name of the Book	Year	Publisher
1	Dr Satvinder Singh Bakshi	MCQ IN ENT	ISBN-10-8184451504 ISBN-13-978-8184451504	TARGET JIPMER 2013-2006	2013	Peepee
2	Dr Satvinder Singh Bakshi	MCQ IN ENT	ISBN-9989383214282	Review of AIPGMEE 2014	2014	Paras
3	Dr Satvinder Singh Bakshi	MCQ IN ENT	ISBN-10-8184451687 ISBN-13-978-8184451687	TARGET JIPMER 2014-2006	2014	Peepee
4	Dr Satvinder Singh Bakshi	MCQ IN ENT	ISBN-10-8184451660 ISBN-13-978-8184451665	TARGET JIPMER (supplement) 2014	2014	Peepee

C. Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of Publications in Databases	2	4	1	2	6	8	8
Scopus				1	1	5	2
PubMed	2	3	1	1	4	2	6
WOS					1	1	
Google Scholar		1					
Impact factor (Range / Average)	1.52	.027	0	0	0.4808	1.541	0.9125

23. Details of Patents and income generated: NA

24. Areas of Consultancy and income generated :

Nil

25.Faculty selected nationally / internationally to Visit other Institutions in India and abroad.

Sl. No.	Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
		National	International		
1	Dr Nirmal Coumare		Dundee University	2015	Official
	Total		1		

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	Editorial Boards*	
		N	I
1	Dr P.Karthikeyan	5	2
	Total	5	2

**- includes editor, subeditors, peer reviewer*

Details are as follows

Dr P. Karthikeyan is editor/peer reviewer for

1. Indian Journal of Otolaryngology and Head and Neck Surgery (IJOHNS).
2. The Journal of Infectious Diseases and Immunity (JIDI).
3. The Journal of Medicine and medical sciences (JMMS).
4. International Research Journal of Microbiology (IRJM).
5. International Journal of Medicine and Medical Sciences (IJMMS).
6. Journal of Evolution of Medical and Dental Sciences(JEMDS)
7. Indian journal of Otology (IJO)

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs- last FIVE years).

Faculty members have attended 39 National; 15 State/University No. of FDPs. On an average, each faculty attends 3 FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	
1.	Workshops	3	13	0	16
2.	Seminars / Symposia / Conferences	0	16	0	16
3.	CMEs/CDEs/MET/DET/Clinical meets	15	10	0	25
4.	Special Lectures	6	0	0	6
	TOTAL	24	39	0	63

As part of Scientific and Academic Forum, the faculty have attended …120… FDP programs over the last 5 years.

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	0	2	2
2.	No. of PG Dissertations based on Research Work	6	8	14
	Total	6	10	16

- **Details of Students STS ICMR Projects**:

Sl.No	Name of the Student	Name of the Guide	Year	Title of the Project	Amount Sanctioned	Outcome in Short
1.	John Christian	Dr P.Karthikeyan	2013	Hearing evaluation in mobile phone users	10000	published

2.	Manivenkata krishnan	Dr P.Karthikeyan	2014	Saline nasal douches versus conventional decongestant nasal drops- A comparison of relative efficacy in postoperative septal surgery	10000	Sent for publication

29. Awards / Recognitions received at the National and International level by Faculty

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	International Level	Total	State/ University Level	National Level	International Level	Total
1.	Faculty	1	2	0	3	6	3	0	9

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1.	Dr P. Karthikeyan, Dr Nirmal Coumare, Dr. Deepthi Koganti	KKR Gold Medal for best paper	Zonal	2012
2.	Dr P. Karthikeyan (Prof & HOD)	Best ICMR project	National	2013
3.	Dr P. Karthikeyan (Prof & HOD)	Best Faculty	University	2014
4.	Dr P. Karthikeyan (Prof & HOD)	Executive member AOI Pondicherry chapter	State	2012
5.	Dr Nirmal Coumare (Prof)	Joint Secretary AOI Pondicherry chapter	State	2012
6.	Dr Vijayasundaram (Assoc Prof)	Member AOI Pondicherry chapter	State	2012
7.	Dr Satvinder Singh Bakshi (AP)	Member AOI Pondicherry chapter	State	2012
8.	Dr Sithananda Kumar (AP)	Member AOI Pondicherry chapter	State	2012
9.	Dr Neelima (AP)	Member AOI Pondicherry chapter	State	2012
10.	Dr P. Karthikeyan (Prof and HOD)	Examiner for various universities	National	
11.	Dr. V. Nirmal Coumare (Prof)	Examiner for various universities	National	

12.	Dr. Vijayasundaram (Assoc Prof)	Examiner for various universities	National	
13.	Dr. Satvinder Singh Bakshi (AP)	Director, Rotary Club of Pondicherry (Main)	National	

The faculty members have been invited as resource persons, chairing sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

Dr P. Karthikeyan has been invited as chairman / resource person in

1. Chairperson - V South Zone and XIII Tamil Nadu State Conference held at Chennai during September 2009, for Head and Neck reconstructive surgery by Prof. Amine C. Haddad.

2. Chairperson - Live Endoscopic sinus surgery "ENDORL2012" held at Krishna Eye & ENT Hospital at Chennai on 03/02/12, for Endoscopic vidian neurectomy by Prof. Muthukumar and Microlaryngeal surgery for Sulcus vocalis by Dr.Nupur Kapoor.

3. Chairperson - XVI Tamil Nadu state ENT conference held at Kodaikanal during september 2012 for " Vocal cord paralysis – newer trends in management" by Dr.Jayakumaran Menon.

4. Chairperson - XVI Tamil Nadu state ENT conference held at Kodaikanal during september 2012 for "How to prepare for DNB examinations" by Prof.Achal Gulati

5. Chairperson - 30th ENT workshop on optimizing the surgical outcomes at MAA ENT hospitals, Hyderabad on 23/11/13 for "Coblation Tonsillectomy" by Dr.Megnath

6. Chairperson - ENT TODAY Live surgical workshop held at Jipmer, Pondicherry on 30 & 31st August 2014 for Endoscopic sinus surgery for recurrent ethmoidal polyp by Dr.Sathish Jain.

7. Chairperson - MMC ENTCON 2014, Live surgical workshop at UIORL, MMC, Chennai for Cochlear Implant by Padmashree Prof. Mohan Kameswaran on 01/11/14.

8. Chairperson - API-DIAS, held at Hotel Accord, Pondicherry on 30/11/14 for "Recent trends in the management of Allergic Rhinitis" by Dr.Karunanidhi.

9. Chairperson - I National convention of Indian academy of otorhinolaryngology and head and neck surgery at Hotel Park Sheraton, Chennai for Instructional course on "newer technology in vestibular assessment" by Prof Nuri Ozgirgin from Turkey.

10. Chairperson - I National convention of Indian academy of otorhinolaryngology and head and neck surgery at Hotel Park Sheraton, Chennai for Invited talks on "Paradigm on JNA management by Prof Sanjeev Mohanty, Recent trends in management of Migraine by Prof Balasubramanaiam and Revision Cochlear Implant by Prof Levent Senegrulo from Turkey on 13/12/14

11. Speaker – Capsule talk on "Beyond Sinuses…The Endoscopic Journey", at Scientific and Academic Forum, Mahatma Gandhi Medical College and Research Institute, Puducherry, June 2012.

12. Guest Speaker – "Vertigo – An Update" at IMA Cuddalore on September 2013.

13. Guest Speaker – "Allergic Rhinitis – A GP's Perspective" at Pondicherry IMA during March 2015.

14. Guest Speaker – "Understanding Vertigo for General Practitioners" at Pondicherry on June 2015.

30. Seminars / Conferences / Workshops organized and the source of funding

Total Organized:7.

(National: 1…….; State: 1……. University level…5).

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Conferences	South zone ENT conference 2005	410	National AOI body	National	25 External
2.	Workshops	Workshop on OSA 2015	205	SBVU	National	1 External
3.	Any other (Guest lecturers; training/ induction programs)	5	50 (each) (250 approx)	SBVU	University	1 External(5)
	Total	7	865	3	3	31

N: National; I: International; U: University; C: College ; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments.

ICMR'S Ethical Guidelines for Biomedical Research on Human Participants
Use of Viper anti-plagiarism software

32. Student Profile program-wise - Students enrolled and performance:

A. **PG Students**

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	**No. of Applications**	**No. of Students appeared for CET**	**Students Passing in CET**	**% of Pass in CET**	**Students Admitted M + F = T**
PG Degree / Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75
UG Degree	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

B. Performance in University Examinations conducted by SBV:

Name of the Course *(Refer to Question no. 4)*	Academic Year	Candidates Appeared	Candidates Passed	Pass %
PG Degree	2009-2010	1	1	100%
	2010-2011	1	1	100%
	2011-2012	1	1	100%
	2012-2013	1	1	100%
	2013-2014	3	3	100%
	2014-2015	1	1	100%
PG Diploma	2009-2010	0	0	0
	2010-2011	0	0	0
	2011-2012	0	0	0
	2012-2013	0	0	0
	2013-2014	1	1	100%
	2014-2015	1	1	100%

Performance in University Examinations:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		Candidates Appeared	Candidates Passed	Pass %
UG Degree (MBBS)	2009-2010	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

A. PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	2009-2010	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-

PG Diploma	**2009-2010**	-	-	-	-	6	50	6	50	-	-
	2010-2011	-	-	-	-	6	54.5	5	45.5	-	-
	2011-2012	-	-	-	-	7	63.6	4	36.4	-	-
	2012-2013	-	-	-	-	8	61.5	5	38.5	-	-
	2013-2014	-	-	1	8.3	9	75	2	16.7	-	-
	2014-2015	-	-	-	-	10	83.3	2	16.6	-	-
PG (M.Sc Medical Biochemistry / Microbiology)	**2009-2010**	-	-	3	42.9	4	57.1	-	-	-	-
	2010-2011	-	-	6	60	2	20	2	20	-	-
	2011-2012	-	-	6	75	2	25	-	-	-	-
	2012-2013	-	-	2	40	2	40	1	20	-	-
	2013-2014	-	-	1	50	1	50	-	-	-	-
	2014-2015	-	-	1	100	-	-	-	-	-	-
	2011-2012	-	-	-	-	1	50	1	50	-	-
	2012-2013	-	-	-	-	1	50	1	50	-	-
	2013-2014	-	-	-	-	2	100	-	-	-	-
	2014-2015	-	-	-	-	-	-	1	50	1	50

B.UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of students from within Pondicherry**		**No. and % of students from Outside Pondicherry**				**No. and % of Students from Other Countries (Outside India)**	
				From TN		**Other States**			
UG Degree (MBBS)	**2009-2010**	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-

	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.

One – Cleared USMLE (All 3 steps)

35. Student Progression

Student progression	No. & % against enrolled
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	 b. 12
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	 a. 2 b. 7
Entrepreneurs / Self Employed / Practitioners from among the Dept. PG	3

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University	0	2
from other Universities within the State	2	2
from Universities from other States	8	8

37. Number of faculty who were awarded higher degree after PG.

A.Before joining SBV: 3

DNB degree awarded to Dr P. Karthikeyan, Dr Satvinder Singh Bakshi and Dr Madhupriya

B.After Joining SBV:1

DNB degree awarded to Dr Vijayasundaram

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
1.	No. of Books	453	132
2.	No. of Journals	4	4
3.	No. of e-Journals	27	27
4.	P.G. Dissertations	8	8
5.	Project Reports of UG	0	2

B.Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	**Department**	8	2

C. ***Total Number of Class Rooms, Seminar Halls etc. available for the Department.***

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms	5	
2.	Seminar Halls	1	
3.	Demonstration Rooms	1	
4.	Auditorium		1
5.	Class rooms with ICT facility		8
6.	Seminar Hall with ICT facility		4
7.	Auditorium with ICT		1

8.	Students' Laboratories at the Department	2

9	Research Laboratories at the Department	1
10.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	Speciemens-40 , posters-56, charts-9
11.	Skill Lab	1

D. List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests.

List attached

E. Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	1
2.	No. of Beds / Dental Chairs (unit wise & Total of the Dept.)	:	40
3.	No. of ICU (name; no. of beds in ICUs)	:	10
4.	No. of Wards belonging to the Department	:	2
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	4, each once a week b. Allergy clinic c. Vertigo clinic d. Headache clinic e. Cancer clinic
6.	No. of OTs (Major / Minor)	:	1+1
7.	Clinical Examination Room / Demo Room	:	1
8.	No. of Out-patient / day for the Dept. OPD (Average)	:	190-210
9.	No. of In-patient / day for the Dept. IPD (Average)	:	32-34
10.	No. of Operation / day (Major) carried out by the Department	:	6-7
11.	No. of Operation / day (Minor) carried out by the Department	:	8-9
12.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	35-40

39. List of Doctoral, Post-Doctoral Students and Research Associates: NA

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. ***Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms***

C. ***Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are as under (common to all Departments)***

Select students receive fee waiver from the management.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. NA

42. Does the department obtain FEEDBACK from

A. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, change and upgrade the curriculum based on feedback.
For example, students requested more exposure to FESS surgeries and so students were shown more of this type of surgeries

B.Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, change the method of teaching and adopting newer strategies.
For example, it was requested that teachers use more videos and pictures in their presentations and this request was incorporated into all subsequent classroom presentations.

C.Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, constantly revise and upgrade the programs

43. List the distinguished alumni of the department (maximum 10) (based on PG students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1	Dr Priya	Chettinad Medical College	Assistant professor	Chennai
2	Dr Deepthi	Sidhartha Medical College	Assistant professor	Vijaywada
3	Dr Neelima	MGMCRI	Assistant professor	Pondicherry
4	Dr Raj Thilak	Vinayaka Mission Medical College	Assistant professor	Salem

5	Dr Sudha	Private practice	consultant	Salem
6	Dr Arun Jose	Private practice	consultant	Kerala
7	Dr Davis	MGMCRI	Senior resident	Pondicherry
8	Dr Niranjan	Corporate	Consultant	Kerala

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

A.Number of SEPs conducted during the last Five Years 13

Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Special Lectures	5	Pondicherry	5	0
2.	Workshops / Hands on Training	1	Pondicherry	1	0
3.	Training programs	1	Pondicherry	0	1
	Total	7		6	1

B.List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching (Conventional, Interactive, Blended, Learner Centric, Skill Laboratory, Virtual Laboratory, ICT enabled (Video Conferencing, Webinars, LMS, ERP, or any other, etc.)

Sl. No	For UG	For PG
1.	PowerPoint presentation	Journal club
2.	Case presentation	Thesis review
3.	Seminar	Case presentation
4.	Surgical video demonstration	Seminars
5.	Clinical demonstration	Surgical video demonstration
6.	Integrated teaching	Clinical demonstration
7.		Webinars
8.		Ward rounds
9.		Operation theatre demonstration

10.		Screening camps
11.		Community camps

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- By obtaining constant feedback from the students and faculty. The syllabus and style of teaching is constantly revised. For eg.
    1. Students gave feedback on demonstrating post nasal packing, which was added to their demo class schedule.
    2. Feedback from faculty regarding surgeries has lead to the starting of new procedures like rhinoplasty

- By conducting regular in house meetings and audits for monitoring and improvement of standards which has lead to the making of standard operating protocols for the department

47. Highlight the participation of students and faculty in extension activities.

a. Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

- The department has participated in numerous camps conducted by both hospital services and community medicine and host of other voluntary organizations.
- Routine screening, counseling and education of patients are undertaken in these camps.
- Particular importance is given to hearing screening of school students and cancer screening in adults.

The list of the camps and patient beneficiaries is attached

b. Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students

Yes.

48. Give details of "beyond syllabus scholarly activities" of the department.

- Creating awareness and knowledge about recent advances in otorhinolaryngology through special lectures in SAF

- Intern's orientation program

- Regular BLS and ACLS programs for UGs and PGs

- Seminars and workshops.

i) Dr. Rayappa – Seminar on "Current trend on Head & Neck Surgery" on 17/06/2011

ii) Dr. Ravi Kumar – Seminar on "Obstructive Sleep Apnoea; basics and management" on 17/2/2012

iii) Dr. Renuka Bradoo – Seminar on "Understanding Vertigo" on 22/06/2012

iv) Padmashree Dr. Mohan Kameshwaran – Seminar on "Coping up with tomorrow's technology today" on 22/03/2013

v) Dr. R. Vidyasagar – Seminar on "A roaring snore, not just a partner's sore – An overview of OSAS" on 8/8/2013

vi) Live surgical workshop on OSA held on 14/2/2015 – Operating faculty: Dr. R. Vidyasagar

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programs are approved by Statutory regulatory bodies –MCI /DCI/ INC.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research (eg. Research publications, surveys, trials and PG dissertations and other research inputs /outputs are as under:

- The various research activities of the department have helped to inculcate a strong motivation towards the proper recording of all relevant details of clinical cases, has helped to develop newer surgical strategies in dealing with cases of Juvenile Nasopharyngeal Angiofibroma, has provided greater depth of knowledge regarding the evaluation and management of Fungal rhinosinusitis in the local population and has helped in stronger implementation of screening for hearing loss in children secondary to middle ear pathology and thus improving the number of patients benefitting from surgeries for the same.

- Theses which have been sent for publishing/published are attached

- Live surgical demonstration to the UG students in Operation Theatre
- Students are trained in skills lab on the modules how to do life saving surgeries like tracheostomy.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Senior and experienced faculty	Ignorance amongst the patients about the prevalence , causes and treatment of deafness and other common ent problems	World class research facilities in CIDRF	To increase patient awareness on major health issues related to ent and encourage them to come for regular follow up
2.	Good case load	Seasonal variation in patient load	Collaboration with Yoga Department	To offer more training and certificate programmes
3.	Well equipped audiological unit	Need dedicated faculty/phd graduates for research	Integrated management and research with Music Therapy department	To start a sleep lab with collaboration with other departments
4.	Excellent infrastructure	There is not enough collaboration with other departments	To start a cochlear implant programme	To start a dedicated audio-vestibular unit
5.	Good teaching facilities in classrooms and library	Need a well established cancer center with radiotherapy unit	Well equipped central lab which can be used for research	To conduct more CME and workshops

***52. Future Plans of the Department* :**

a.To start endoscopic skull base surgery

b.Cochlear implant program

c.To conduct temporal bone workshop and FESS cadaver dissection.

d.Rhinoplasty procedure already started and will upgrade it

e.To establish a sleep lab and centre for sleep studies

f. To start fellowship programme on Voice training and rehabilitation

g. To encourage faculties to attend and present in International conferences

h. To invite more experienced faculties/Professor Emeritus for training and guidance

i. To start new diploma courses in Audiology and Speech Pathology

53.

a. Salient and Unique Features of the Department

- We carry out neonatal screening in collaboration with Department of Pediatrics
- All common and rare ENT and Head and Neck surgeries are carried out
- Conduct regular camps for training and awareness of the concerned population
- One of the few centre's in Pondicherry doing sleep surgeries.

- Conducting demo classes for students

b. Innovations of the Department

- Have a department monograph and manual
- Conducting specialty clinics for vertigo, allergy, headache and cancer
- Conducting rhinoplasty and sleep apnea surgeries
- Screening for noise induced hearing loss for factory workers
- Universal neonatal screening of all newborns in the hospital.
- Departmental Whatsapp group
- Departmental surgical video library

c.Best Practices

- Standard operating protocols are followed
- Weekly classes for undergraduates for obtaining training in basic ENT procedures in Skills lab
- Obtaining feedback from students in a unbiased manner
- Regular departmental audit
- Regularly inviting senior faculty from outside for training and motivating students and post graduates
- Internal case sheet auditing regularly

Department of Ophthalmology

1. Name of the Department : OPHTHALMOLOGY

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University?

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. Names of Programs Offered *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*

The Department offers the following programmes:

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	ANNUAL	2001	150	170	4 1\2 + 1
PG Degree	M.S	ANNUAL	2007	5	9	3
PG Diploma	D.O	ANNUAL	2007	1	1	2

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1.	M.S	Emergency Medicine	Aravind Eye Hospital (AEH), Pondicherry
2.	D.O	Neurology	
		Plastic Surgery	

Nature of Involvement:

1. Students are posted in Emergency medicine as casualty medical officers for 1 month.

2. Plastic surgery & Neurology: PGs observe and participate in the department's management of ocular and peri-ocular conditions.

3. At AEH, Pondicherry, PGs observe cases in OPD, OT & special clinics. They also attend Academic activities during their posting.

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

Nil

7. Details of Programs discontinued, if any, with reasons.

Nil

8. Examination System : Annual / Semester / Trimester / Choice Based Credit System

Annual

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
MDS	Oral & Maxillofacial surgery	Indira Gandhi Institute of Dental Sciences

Nature of Involvement:

PG Students are posted here for 2 weeks when they are taught to examine and evaluate the eye in trauma.

10. Number of Teaching posts sanctioned, filled and actual

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	2	2	-	2
Associate Professor / Reader	2	-	1	1
Assistant Professor / Lecturers	4		3	3

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	2	2	-	2
Subtotal (1)	**8**	**2**	**4**	**6**
Senior Resident	-	2		2
Junior Resident	9	5	4	9
Subtotal (2)	9	7	4	11
Grand Total (1+2)	**17**	**9**	**8**	**17**

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Years of Teaching Experience		No. of PG Students at SBV	
				Total	At SBV	Guiding	Guided
1.	Dr.K.Srikanth	MS, D.O, DNB	Professor & HOD	12	10	6	6
2.	Dr.K.N.Jha	M.B; B.S. (Hons),M.S (Ophth	Professor	19	3	5	-
3	Dr.A.R.Raja lakshmi	M.B; B.S. M.S	Associate Professor	5	5		
4.	Dr.Swathi N	M.S, DNB, FICOph	Associate Professor	5	4		
5.	Dr.Sima Biswas	M.B; B.S. M.S	Assistant Professor	4	2	-	-
6.	Dr.Veni Priya	M.B; B.S. M.S	Assistant Professor	4	1	-	-
7.	Dr.R.Subra maniyan	M.B; B.S., DO	Senior Resident	<1	<1	-	-
8.	Dr.Venketa san T.R	M.B; B.S., DO	Senior Resident	3 yrs	3 yrs	-	-

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities):***
Nil

c. ***Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students:*** **Nil**

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors: **Nil**

13. Percentage of classes taken by temporary faculty – program-wise information: **Nil**

14. Program-wise Teacher Student Ratio

Programme	Teacher Student Ratio
UG	1 : 16
PG Degree	1 : 1
PG Diploma	1 : 1
Ph.D	NA

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Technical Assistant	1	1		1
	Refractionist	1		1	1
Administrative Staff	Nursing Assistant	1		1	1
	Junior Assistant	1		1	1
	Attender	1		1	1
	Camp Organizer	1	1		1
Total		6	2	4	6

16. Research thrust areas as recognized by major funding agencies and SBV

1. Glaucoma
2. Cataract
3. Systemic diseases (like diabetes, hypertension) affecting the eye
4. Macular diseases
5. Dry eye

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

6 Faculty of the department are involved in 6 Ongoing Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total
Department / Self Funded	6	1	7
Total	**6**	**1**	**7**

Details of the Projects:

a. Ongoing Projects:

Facilities, materials and services are sponsored by the SBV University

Sl.No	PI, Co-PI and Project Title	Duration
1.	Dr. K.N.Jha, Dr.Sima Biswas; An epidemiological study on risk factors and visual outcome of ocular trauma in patients attending MGMC&RI hospital	2 - 3years
2.	Dr. Dr.KN Jha, Dr.A.R.Rajalakshmi, Ms. Meena Ramanathan; Effects of Tratak and Bhramari pranayama in ocular muscle balance and accommodation in Computer Vision Syndrome	2 years
3.	Dr. Dr.KN Jha, Dr. Mohammed Hanifah; Evaluation of Central Corneal Thickness by Optical Coherence Tomography in dengue patients	2 years
4.	Dr. K.Srikanth, Dr. N.Swathi, Ms. Meena Ramanathan; Intraocular pressure after head below heart Yoga postures	2 years

5.	Dr. S.Veni Priya, Dr. K.Srikanth, Dr. N.Swathi ; Evaluation of optic nerve functions & its topography before & after peribulbar block	2 years
6.	Dr. N.Swathi, Dr. K.Srikanth, Dr. S.Veni Priya; Evaluation of role of hyaluronidase in Local Anaesthesia in cataract surgeries	

b. Completed Projects:

Facilities, materials and services were sponsored by the SBV University

Sl.No	PI, Co-PI and Project Title	Duration
1.	Dr. K.Srikanth, Dr.Kumar MA, Dr. Selvasundari.S; Color Doppler imaging of ophthalmic artery and central retinal artery in glaucoma patients with and without Diabetes mellitus.	2 ½ yrs

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) : Nil

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects		
		Ongoing	Completed	Total
1.	Faculty Projects	6	1	7
2.	Students Projects		9	9
	Total	6	10	16

20. A. Research facility / Centre available to carry out research :-

- **In the department** *(give details of facilities in brief):*
  - Clinical Resources, Physical Resources in the Department,

  -Sophisticated Instruments available in Department like OCT, Fundus Camera, Non Contact Tonometer, Automated Perimetry

- **In other departments:**
  -Laboratory services of Department of Biochemistry, Microbiology and Pathology.

  -Imaging services by the Department of Radiology

- **In other college** **:** NA

- **At central level** **:** NA

B. Research facility / centre with: (recognised by national and international agencies for providing assistance for research)

NA

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:

NA

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	4	3
International Journals	5	15
State Journals	3	5
Total	**12**	**23**

***B. Monographs*: Nil**

***C.Chapters in Books:* Nil**

***D.Books edited:* Nil**

***E.Books Published with ISBN with details of publishers:* Nil**

F. Number of Research articles / publications listed in International Database

	2008	2009	2010	2011	2012	2013	2014	2015
No. of Publications in Databases	3	2		1	3	6	6	4
Citation Index – Range / Average								

Scopus					1	3	1	1
PubMed	3	2		1	2	2	3	1
Google Scholar						1	2	2

23. Details of Patents and income generated: **Nil**

24. Areas of Consultancy and income generated: **Nil**

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad:

Nil

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards		Any other (reviewer)	
				N	I	N	I
1.	Dr.K.Srikanth						1 (JCDR)
2.	Dr.K.N.Jha					1 (MJAFI)	1 (JCDR)
	Total					1	2

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended 20 no. of FDPs.
  (4 International; 4 National; 12 State / University; …. College)

- On an average, each faculty attends 1-2 FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	
1.	Refresher programme		2		2
2.	Workshops	2			2
3	Seminars / Symposia / Conferences	4	2	4	10
4.	CMEs/CDEs/MET/DET/Clinical meets	6			6
	TOTAL	12	4	4	20

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR		7	7
2.	No. of PG Dissertations based on Research Work	9	8	17
3.	Any other Projects done by PG Students other than Dissertations	2	2	4
	Total	**11**	**17**	**28**

- *percentage of students who have taken up in-house projects including Inter-departmental projects : PG: 44%*
- *percentage of students doing projects in collaboration with other universities / Industry / institute : NIL*

Details of Students STS ICMR Projects:

Name of the Student	Name of the Guide	Year	Title of the Project	Amount Sanctioned	Outcome in Short
Ms.Rajeswari.M	Dr.A.R.Raja lakshmi	2014	Efficacy of Bruckner's test for screening of refractive errors in children aged 5-15 years in the hands of a trained non-Ophthalmologist	Rs.10,000/-	Bruckner's test can be used as a screening tool for refractive errors. Under peer review

Ms Mathivardhani.M	Dr.Sima Biswas	2014	Comparison of biometric parameters in normal and myopic eyes	Rs.10,000/-	Myopic eyes have longer axial length and deeper anterior chamber than normal. Under peer review
Mr.Arun	Dr.K.N.Jha	2013	Tear function and ocular surface changes in Noninsulin-dependent diabetes mellitus	Rs.10,000/-	Noninsulin-dependent diabetes mellitus is associated with ocular surface changes.
Mr C Adithyan	Dr.K.Srikanth	2013	Central corneal thickness in type2 Diabetics Mellitus	Rs.10,000/-	Type2 Diabetes Mellitus patients have thicker central cornea.
Mr.Vijaya Shankar.K	Dr.K.Srikanth	2010	Intra ocular pressure variation after pupillary dilation in Diabetic patients (Type 2).	Rs.10,000/-	There is moderate rise in IOP after dilatation among diabetics (type 2)
Ms.Monica Kumbhat	Dr.M.Ashok Kumar	2011	Effect of yoga eye exercise on medical college students with refractive errors	Rs.10,000/-	Yoga eye exercise has significant effect on ocular health of the population

					under study
Ms.Shanmuga Priya	Dr.M.Ashok Kumar	2010	A case control study of ocular problems related to long term computer use	Rs.10,000/-	Dry eye is more commonly associated with long term computer use

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students:

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	International Level	Total	State/ University Level	National Level	International Level	Total
1.	Faculty					11	4		15

The details of the recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1.	Dr K Srikanth, Professor	Member – TNOA, POA, AIOS	State, National	
2.	Dr KN Jha, Professor	Member – DOS, AIOS	State, National	
3.	Dr Swathi N, Associate Professor	Member, TNOA, POA, AIOS	State, National	
4.	Dr AR Rajalakshmi, Associate Professor	Member, TNOA, POA, DOS, AIOS	State, National	
5.	Dr Sima Biswas, Assistant Professor	Member - POA	State	2006

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

30. Seminars / Conferences / Workshops organized and the source of funding (State / National / International) with details of outstanding participants, if any.

Total Organized: 3

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Workshops	2010	200	SBVU	U	2 E + 3I
2.	Any other (Guest lecturers; training/ induction programs)	2013, 2014 (4 Guest lecturers) 2015	100 20-25 (per session) 100	SBVU	U	1E 4E + 2 I 1I
	Total	7				7 E +6 I

N: National; I: International; U: University; C; College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments:

As followed by SBVU

***32. Student Profile program-wise - Students enrolled and performance*:**

A. **PG Students**

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree / Diploma	2009-2010	110	110	63	62	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78

	2014-2015	250	194	78	40.2	45+30=75
UG Degree	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

b.Performance in University Examinations:

Name of the Course ***(Refer to Question no. 4)***	**Number of students completed PG Studies and Pass percentage during the past Five Academic Years**				
	Academic Year	**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
PG Degree	2009-2010	1	1	100%	
	2010-2011	1	1	100%	
	2011-2012	1	1	100%	
	2012-2013	2	2	100%	
	2013-2014	1	1	100%	
	2014-2015	2	1	50%	
PG Diploma	2009-2010	1	1	100%	
	2010-2011	1	1	100%	
	2011-2012	-	-	-	
	2012-2013	-	-	-	
	2013-2014	1	0	0%	
	2014-2015	1	1	100%	

Performance in University examinations conducted by SBV:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		Candidates Appeared	Candidates Passed	Pass %
UG Degree	2009-2010	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

A.PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	**2009-2010**	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-

PG Diploma	**2009-2010**	-	-	-	-	6	50	6	50	-	-
	2010-2011	-	-	-	-	6	54.5	5	45.5	-	-
	2011-2012	-	-	-	-	7	63.6	4	36.4	-	-
	2012-2013	-	-	-	-	8	61.5	5	38.5	-	-
	2013-2014	-	-	1	8.3	9	75	2	16.7	-	-
	2014-2015	-	-	-	-	10	83.3	2	16.6	-	-

B.UG Students from 2009-2014: student diversity is given in table

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of students from within Pondicherry**		**No. and % of students from Outside Pondicherry**			
				From TN		**Other States**	
UG Degree (MBBS)	**2009-2010**	42	28	82	54.7	26	17.3
	2010-2011	42	28	93	62	15	10
	2011-2012	42	28	100	66.7	8	5.3
	2012-2013	42	28	102	68	6	4
	2013-2014	43	28.7	98	65.3	9	6
	2014-2015	48	19.2	190	76	12	4.8

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Nil

35. Student Progression

Student progression	**No. & % against enrolled**
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	All our PGs are employed as consultants or faculties outside of SBVU

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
from other Universities within the State	1	1
from Universities from other States	8	8

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

H. Before joining SBV: 2

I. After joining SBV (2008 – 2015): 1

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sl. No.	Infrastructural facility for Teaching	Central Library	Department Library
1.	No. of Books	861	90
2.	No. of Journals	4	
3.	No. of e-Journals	45	
4.	P.G. Dissertations	8	8
5.	Project Reports of UG		7
6.	Project Reports of PG		2
7.	Project Report of Faculty		1

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	8	8

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms		2
2.	Demonstration Rooms	1	
3.	Auditorium		1

4.	Class rooms with ICT facility		2
5.	Seminar Hall with ICT facility	1	
6.	Auditorium with ICT		1

8.	Students' Laboratories at the Department	:	1 (wet lab)
9	Research Laboratories at the Department	:	-
10.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	:	1
11.	Skill Lab	:	Details college block 3rd floor has eye mannequin

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. *(Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C)* - ***LIST ATTACHED***

E.Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	2
2.	No. of Beds / Dental Chairs (unit wise & Total of the Dept.)	:	40 (unit I) + 30 (unit II) Total 70 beds
3.	No. of ICU (name; no. of beds in ICUs)	:	Available
4.	No. of Wards belonging to the Department	:	2
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	6 (once a week; 2.30-3.30 pm) 1. Pediatrics Ophthal + Squint — Monday 2. Glaucoma — Tuesday 3. Cornea & Eye bank — Wednesday 4. Retina — Thursday 5. Neuro Ophthal — Friday 6. ROP Screening — Friday 9.10 am
6.	No. of OTs (Major / Minor)	:	1+1

7.	No. of Labor Rooms / any other facility	:	Special investigations room -1 LASER room – 1 Eye bank - 1
8.	Clinical Examination Room / Demo Room	:	4 / 2
9.	List any other facility / services	:	Dark room -1 Speciality clinics
10.	No. of Out-patient / day for the Dept. OPD (Average)	:	200-250
11.	No. of In-patient / day for the Dept. IPD (Average)	:	10-15
12.	No. of Operation / day (Major) carried out by the Department	:	8-10
13.	No. of Operation / day (Minor) carried out by the Department	:	10-15
14.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	8-10

F.Clinical Learning Resources

All patients (OP & IP)are the clinical learning resources.

39. List of Doctoral, Post-Doctoral Students and Research Associates*:* NIL

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. ***Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms***

C. Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies.

Management provides financial assistants to selected students.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology:

To meet the widening gap between the available Ophthalmologists and increasing number of patients, the department has started PG course in Ophthalmology from the year 2007. At present the department admits 5 MS degree students and 1 Diploma student every

year.

42.Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, based on formal and informal feedback from UG students, the following suggestions are highlighted:

- To improvise the curriculum as per needs,
- Teaching schedule made to include additional topics that were more difficult to comprehend
- Use of more visual aids

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, regarding mode of examinations after ward leaving exams, change the method of teaching and adopting newer strategies.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Oral feedback. To improve / alter the topics for PG teaching.

43.List the distinguished alumni of the department (maximum 10) (

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1.	Dr. Nisha	COMTRUST Eye Hospital, Calicut	Consultant	Calicut
2.	Dr. Sheen Sheetal Kurien	Private Institution	Assistant Professor	Thiruvalla
3.	Dr. Sreeraganidhi	Vivekananda Eye Hospital	Consultant	Tiruchengodu
4.	Dr. Vikram Chellakumar	Balaji Medical College	Assisstant Professor	Chennai
5.	Dr. Avonuo Keditsu	NGERIMS	SR	Shillong

6.	Dr. Divya M	Arasan Eye Hospital	Fellowship	Erode
7.	Dr. Vathsalya	Sankar Nethralaya	Fellowship	Chennai
8.	Dr. Sruthi John	Ahalya Eye Hospital	Consultant	Aluva
9.	Dr. Shiva priya	Vasan Eye Care Hospital	Consultant	Chennai
10.	Dr. Nancy Elizabeth	Private practitioner	Consultant	Chennai
11.	Dr. Lavnya Ashwin	Private practitioner	Consultant	Coimbatore

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

1.Number of SEPs conducted during the last Five Years ……4…….

2.List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching (Conventional, Interactive, Blended, Learner Centric, Skill Laboratory, Virtual Laboratory, ICT enabled (Video Conferencing, Webinars, LMS, ERP, or any other, etc.)

Sl. No	For UG	For PG
1.	Conventional	Conventional
2.	Clinical demonstration	Clinical demonstration
3.	Interactive	Interactive
4.	Skills lab / simulated teaching	Case discussions

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Conduct periodic tests / seminars to assess the students grasp of the subject

47. Highlight the participation of students and faculty in extension activities.

- **Participation of the staff and students in rural/urban camps conducted by the**

department of Hospital Services / Community Medicine / NSS etc.

Department conduct 8-12 eye camps monthly under DBCS banner.

- **Exhibition, blood donation, tree plantation, celebration of days etc.**

  Eye donation fortnight is celebrated with a talk addressing patients in the hospital & poster competition for SBVU students.

48. Give details of "beyond syllabus scholarly activities" of the department.

- Recent advances/ demos of latest skills/ demos of new equipments; CMEs, DETs, METs, NETs, Clinical meetings SBV-AHEAD / SAF / MEU / DEU / NEU

- Webinars, seminars, workshops, videoconference, on-line lectures.

- Dr Nancy Elizabeth (MS Post graduate) presented a case report "Globe sparing excision of basal cell carcinoma of eyelid – A rare case report" on 11trh December 2013 in the meeting organized by the Scientific and Academic Forum, MGMC & RI, Pondicherry

- Prof Dr GS Srinivasan delivered a special talk on "An eye opener-Eye donation fortnight" on 9th September 2014 in the meeting organized by the Scientific and Academic Forum, MGMC & RI, Pondicherry

- Prof Dr Kirtinath Jha delivered a capsule talk ' Why are we blind to ocular trauma?' at a meeting organized on 08 May 2014 by Scientific and Academic Forum, MGMC & RI, Pondicherry

- Prof Dr Kirtinath Jha was a **Panelist** on Doctor's day Panel Discussion on Pragmatism, Realism, and Professionalism organized on 01 July 2014 by Scientific and Academic Forum, MGMC & RI, Pondicherry

- Prof Dr K Srikanth was the Joint Secretary of the SAF during 2013-2014.

- Dr Swathi served as Executive committee member of the SAF during 2010-2011.

- Dr AR Rajalakshmi served as Executive committee member of the SAF during 2014-2015.

49.State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by Statutory regulatory bodies –MCI /DCI/ INC. The department has:

DBCS approval for conducting eye camps & cataract surgeries in Cudalore & Vilipuram districts.

EBAI permission for harvesting eyes & performing keratoplasty.

50.Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- ***Applications of departmental research***
  Thesis which have been sent for publishing/published are attached

- Regarding ROP screening in our country, the criteria should be modified to include babies weighing > 1,500 grams & 37 weeks of gestation.

- Sub-thershold grid LASER is not as effective as conventional grid LASER for treatment of diabeticmacular edema

- In myopes, central foveal thickness was higher than in peripheral macula.

- Diabetics, contrary to popular belief are not associated with higher levels of pathogenis bacteria in their conjunctival sac

- Consistently poor visual outcome was noted in patients with grade IV-V nuclear sclerosis.

- New methods of diagnostics, tests, methods, skills for treatment and management are as under:
- Any other

  i) Live surgical demonstration to the UG students in Operation Theatre.

  ii) Students are trained in skills lab.

  iii) MOU with Aravind Eye Hospital, Pondicherry for screening of ROP in pre term babies.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges

1.	Committed, competent, qualified faculty	No specific collaborative research	Specialized training for faculties	Dogmas regarding eye donation for corneal transplantation
2.	Good clinical material	There is not enough collaboration with other departments	Low vision Aid clinic	Lack of awareness among public regarding eye donation
3.	Good extension activity	No funded projects/collaboration with industries	To conduct more CME and workshops	-
4.	Corneal transplantation centre	Lack of dedicated grief counsellor	Scope for improvement in HCRP	-
5.	Library, CIDRF, Yoga & Music therapy	Poor compliance for HCRP	-	-

52. Future Plans of the Department :

- To establish a full fledged cornea processing and distribution centre.
- To cover larger rural areas in Cuddalore & Villupuram districts.
- To increase scientific research and publications from the department.
- To encourage specialized training for faculties in various sub-specialties.
- To increase patients treated under insurance cover.
- To make available to patients through the hospital pharmacy, a choice of intra ocular lenses.
- To start diploma and Bachelor course on Optometry
- To invite more experienced faculties/Professor Emeritus for training and guidance
- To encourage faculties to attend an**d present in International conferences**

53.

a. Salient and Unique Features of the Department

- The department offers comprehensive ophthalmic care besides services of specialised clinics like glaucoma, retina, cornea, neuro-ophthalmology and pediatric ophthalmology.
- The department has an Eye Bank and is a member of Eye Bank Association of India. The department also conducts regular outreach camps in rural areas of Puducherry and Tamil Nadu.
- It is an active participant of District Blindness Control Society of both Cuddalore & Vilupuram districts.
- We carry out neonatal screening in collaboration with Department of Pediatrics for Retinopathy of prematurity with MOU with AEH, Pondicherry.

b. Innovations of the Department

- We have a department monograph and manual
- We conduct specialty clinics for Glaucoma, Retina, Cornea, Pediatric Ophthalmology, Squint and Neuro-Ophthalmology.
- We conduct screening camps/ clinic for Diabetic retinopathy and Glaucoma
- We do universal neonatal screening of all newborns in the hospital

c. Best Practices

- Standard operating protocols are followed.
- Weekly classes for undergraduates for obtaining training in basic eye procedures in Skills lab.
- Obtaining feedback from students in a unbiased manner.
- Regular departmental audit.
- Regularly inviting senior faculty from outside for training and motivating students and post graduates.

Department of Pediatrics

1. Name of the Department : Department of Pediatrics

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University?

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry.

4. Names of Programs Offered

The Department offers the following programmes:

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Semester	2002	250	850	4 ½ Years + 1 Year CRRI
PG Degree	MD (Paed)	Annual	2007	4	12	3 Years
PG Diploma	DCH	Annual	2007	2	4	2Years

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved. The following departments are involved in the PG programmes offered by the department:

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

-Nil-

7. Details of Programs discontinued, if any, with reasons. Nil

8. Examination System : Annual / Semester / Trimester / Choice Based Credit System

Annual

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other

departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
MD (OBGY)	Obstetrics & Gynaecology	
MD (Community Medicine)	Social and Preventive Medicine	

Nature of Involvement:

10. Number of Teaching posts sanctioned, filled and actual
(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	**01**	**04**	**0**	**04**
Associate Professor / Reader	04	03	0	03
Assistant Professor / Lecturers	07	04	04	08
Subtotal (1)	12	11	04	15
Demonstrator / Tutor	-	-	-	-
Senior Resident	04	02	04	06
Junior Resident	08	09	06	15
Subtotal (2)	12	11	10	21
Grand Total (1+2)	24	22	14	36

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance
a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Years of Teaching Experience	
				Total	At SBV

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Years of Teaching Experience	
				Total	At SBV
01	Dr. S. Srinivasan	MD., DCH., M.Sc., (Nutrition)	Professor	42	4
02	Dr. P. Soundararajan	MD (Paediatrics)	Professor	18	9
03	Dr. D. Gunasekaran	MD (Paediatrics)	Professor	16	13
04	Dr. Madhanagopal	M.D., DCH	Professor	17	13
05	Dr. Prabakaran	M.D., DCH., (Paediatrics)	Associate Professor	14	8
06	Dr. Mugundan	M.D (Paediatrics)	Associate Professor	9	6
07	Dr. V. RajaRamalingam	MD (Paediatrics)	Associate Professor	9	3
08	Dr. Ramdass K.	MD (Paediatrics)	Assistant Professor	6	2
09	Dr. Prarthana Das	MD (Paediatrics)	Assistant Professor	4	1year 4 months
10	Dr. Anup John Thomas	MD (Paediatrics)	Assistant Professor	4	1 year 2 months
11	Dr. D. Indumathi	MD (Paediatrics)	Assistant Professor	11	1year 1 month
12	Dr. Dhanalakshmi A.	MD (Paediatrics)	Assistant Professor	4	1

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Years of Teaching Experience	
				Total	At SBV
13	Dr. Bandi Ramya	MD (Paediatrics)	Assistant Professor	3	5 months
14	Dr. R. Raj Kishore	MD (Paediatrics)	Assistant Professor	3	5 months
15	Dr. Karuppaih Pandi	MD (Paediatrics)	Assistant Professor	4	2 months

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities):nil***

c. ***Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students: NIL***

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors: NIL

13. Percentage of classes taken by temporary faculty – program-wise information: **Nil**

14. Program-wise Teacher Student Ratio

Programme	Teacher Student Ratio
UG	1 : 12
PG Degree	1:1
PG Diploma	2:1

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual :

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Child Psychologist	01	01	01	02
	Health educator	01	01	-	01

	Technicians	04	0	04	04
	Social worker	01	01	0	01
Administrative Staff	Record Clerk	01	01	0	01
	Store keeper	01	01	0	01
	Stenotypist	01	0	01	01
Total		10	05	06	10

16. Research thrust areas as recognized by major funding agencies and SBV
(Based on Research Projects / Dissertation and Publications):

Neonatology, Social Paediatrics and Hyper reactive airway disease

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs
National Funding Agency	01	-	-	32 lakhs
Department / Self Funded	02	03	05	01 lakh
Total	04	-	-	35 lakhs

Details of the Projects:

a.Ongoing Projects: 03

Sl. No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored
01	**PI: Dr. Soma Venkatesh** Title: To study the prevalence of Attention Deficit/ Hyperactivity Disorder (ADHD) in schoolchildren of Puducherry using SNAP-4 (Swanson	Department/Self funded	0.1 lakhs	01 year	Department funded

	Nolan and Pelham-4) rating scale.				
02	**PI: Dr. Soma Venkatesh** Title: A survey on internet usage and online learning behavior among medical undergraduate students	Department/Self funded	0.1 lakhs	01 year	Department funded
03	**Co-PI:** Dr. D. Gunasekaran **Project title:** Confirmation of Coxiella burnetti IgM antibody positive Q fever cases by antigen detection in conventional and Real time PCR	University	2 lakhs	01 year	SBV

b.Completed Projects: 03

Sl. No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored
01	D.Gunasekaran, K Swapna, C.Venkatesh. Iron stores and Menstruation in healthy adolescent girls-pilot study. 2012. Current Pediatric Research 16:2;153-155	Department / Self funded	0.5 lakhs	3 mths	Department sponsored
02	Ananthakrishnan S, Kasinathan B, Palanisamy S. Antenatal counseling for breast feeding-Are we doing it the right way? 2012. Current Pediatric Research 16:2;142-44	Department / Self funded	0.1 lakhs	MGMCRI	Department sponsored

03	C Venkatesh, ET Kavin Kardhikh S. Srinivasan, S. Ghose. A survey on quality of post-natal care based on mother's perception. 2013. Indian J Maternal Child Health 15:1;1-10.	Department / Self funded	0.1 lakhs	MGMCRI	Department sponsored

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) : 01

The Department has one Collaborative Project.

Total grant received Rs: 32 lakhs (National- ICMR: 32 lakhs).

Total number of faculties of the department involved in the said Collaborative Projects**:** 01

Abstract of Collaborative Projects: 01

No. of Projects from	Number of Ongoing Collaborative Projects	Number of Completed Collaborative Projects	Total	Funds Received in Lakhs
National funding agency	01		01	32 lakhs
Department / Self funded	Nil	01	01	Nil
Total	Nil	02	02	Nil

Details of the Collaborative projects:

***A.*National Collaboration: (Total: 01; Ongoing: 01 Completed: 0; Total grant in Rs: 32.0 lakhs).**

Sl.NO.	PI, Co-PI and Project Title	Name of the collaborating Institutions / Industries	Funding Agency	Grant received in Lakhs	Duration	Ongoing / Completed
01	**Co-PI:** Dr. D. Gunasekaran **Project title:** Clinical and Seroepidemiological study of scrub typhus, spotted fever and Q fever in Puducherry	Indira Gandhi Government General Hospital, Pondicherry Rajiv Gandhi Institute of Veterinary education %& Research, Government of Pondicherry, Pondicherry	ICMR	32 lakhs	03 years	Ongoing

B.International Collaboration : NIL

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned	For details refer to Qn.Nos
		Ongoing	Completed	Total		
1.	Faculty Projects	03	03	06	3.0 lakhs	17
2.	Inter-institutional Collaborative Projects	01	-	01	32.0 lakhs	18
3.	Students Projects	-	04	04	0.4 lakhs	28
	Total	03	08	13	35.4 lakhs	

20. A. Research facility / Centre available to carry out research :-

- In the department (give details of facilities in brief) **:**

  Seven modern ventilators

  Oxygen analyzer

  Multi-channel monitors

  Bubble CPAP

  Single and double surface phototherapy units

- In other departments (give details of facilities used by your department) **:**

  Image analyzer (in the Genetic lab of Anatomy Department)

- In other college (give details of facilities used by your department) **: Nil**
- At central level (give details of facilities used by your department) **: CIDRF**

B.Research facility / centre with: (recognized by national and international agencies for providing assistance for research)

CIDRF recognized by SIRO

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:NIL

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	**02**	**12**
International Journals	**01**	**11**
Total	**03**	**23**

B. Monographs: NIL

C.Chapters in Books: Two of our faculties have written 12 Chapters in various books as mentioned below:

Sl. No.	Name of the Faculty	Name of Chapter	Name of the Book / ISBN No.	Year	Name and Publisher
01	Dr. S. Srinivasan	144. Precocious Puberty	Advances in Pediatrics – 2nd Edition ISBN No. 978-93-5025-777-7	2012	Jaypee Brothers Medical Publishers (P) Ltd.
02	Dr. S. Srinivasan	164. Systemic Arterial Hypertension In Children & Adolescents	Advances in Pediatrics – 2nd Edition ISBN No. 978-93-5025-777-7	2012	Jaypee Brothers Medical Publishers (P) Ltd.
03	Dr. S. Srinivasan	7.7.1. Clinical Approach to Pediatric Cardiology	IAP Textbook of Pediatrics-5th Edition ISBN No. 978-93-5025-945-6	2013	Jaypee Brothers Medical Publishers (P) Ltd
04	Dr. S. Srinivasan	7.7.6. Cardiac Arrhythmias in Children	IAP Textbook of Pediatrics-5th Edition ISBN No. 978-93-5025-945-6	2013	Jaypee Brothers Medical Publishers (P) Ltd
05	Dr. D. Gunasekaran	Ethical issues and getting ethical clearance for dissertation.	Medical Postgraduate dissertations – A step by step approach ISBN: 978-93-82521-03-7	2013	United India periodicals private limited, New Delhi
06	Dr. D. Gunasekaran	Writing the discussion.	Medical Postgraduate dissertations – A step by step approach ISBN: 978-93-82521-03-7	2013	United India periodicals private limited, New Delhi.
07	Dr. S. Srinivasan	40.1. Historical Aspects and Advances in Pediatric Cardiology	PG Textbook of Pediatrics	2015 (in press)	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi

08	Dr. S. Srinivasan	40.2. Development of the Heart	PG Textbook of Pediatrics	2015 (in press)	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi
09	Dr. S. Srinivasan	144. Precocious Puberty	Advances in Pediatrics – 3rd Edition	2015 (in print)	Jaypee Brothers Medical Publishers (P) Ltd.
10	Dr. S. Srinivasan	164. Systemic Arterial Hypertension In Children & Adolescents	Advances in Pediatrics – 3rd Edition	2015 (in print)	Jaypee Brothers Medical Publishers (P) Ltd.
11	Dr. S. Srinivasan	7.7.1. Clinical Approach to Pediatric Cardiology	IAP Textbook of Pediatrics-6th Edition	2015 (in print)	Jaypee Brothers Medical Publishers (P) Ltd
12	Dr. S. Srinivasan	7.7.6. Cardiac Arrhythmias in Children	IAP Textbook of Pediatrics-6th Edition	2015 (in print)	Jaypee Brothers Medical Publishers (P) Ltd

D.Books edited: One of our faculty has edited an important chapter as mentioned below:

Sl. No.	Name of the Faculty	Name of the Book / ISBN No.	Year and edition	Name and Place of Publisher
01	Dr. S. Srinivasan	PG Textbook of Pediatrics Section:40 Cardio Vascular Disorders	2015 (in press)	Jaypee Brothers Medical Publishers (P) Ltd, New Delhi

E.Books Published with ISBN with details of publishers: NIL

F. Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2012	2012-2013	2013-2014	2014-2015	2015-2016
No. of Publications in Databases	1	2	-	8	9	4	2
Citation Index – Range / Average							
Scopus	+	+	-	+	+	+	+
PubMed	+	+	-	+	+	+	+
WOS	+		-				
Google Scholar	+		-	+	+	+	+
Journal Analytics (Range / Average)							
SNIP							

SJR	0,869	1.037-1,306	-	0,125-11,563	0,919-0,501	0,415	0,111-0501
Impact factor (Range / Average)	1.05	1.037-2.045	-	0-39.207	0-1.036	0-0.919	0-1.036
h-index	17		-	3-514	3-32	3-30	30-33
Scopus	+	-	-	+	+	+	+
WOS	+	-	-	+	-	-	-

23. Details of Patents and income generated: NIL

24. Areas of Consultancy and income generated

a.The areas of consultancy are as follows:

i) Our faculties regularly visit our Rural Health Centre, Seliamedu and Urban Health Centre, Ariankuppam on weekly basis.

ii) Our faculties and PGs visit two nearby orphanages every month.

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b. The faculty of the department offer paid consultancy in the following areas: NIL

c. The faculty of the department offer honorary / reciprocator consultancy in the following areas:

We give free consultation for children who are being referred from Aravind Eye Hospital. In turn, we refer some of our preterm babies for Laser therapy who are diagnosed to have Retinopathy of Prematurity.

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad: 03

Sl. No.	Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
		National	Inter national		
01	Dr. S. Srinivasan	a) ICH, Chennai, b) SRMC, Porur, Chennai c) Calicut Medical College d) PSG Medical College, Coimbatore e) Mehta Children's Hospital, Chennai	-	Every year for the last four years	Invited faculty for postgraduate annual clinical training programme for examination going DNB/MD/DCH Postgraduates
02	Dr. S. Srinivasan	National	-	Every year in the last four years	Invited resource person for OSCE validation Workshop conducted by National Board of Examinations
03	Dr. S. Srinivasan	National	-	2011-2013	Resource person for Postgraduate Clinical Training Faculty – in

					Practical Pediatric Skills for Postgraduate (TIPS) organized by Indian Academy of Pediatrics
	Total	**03**			

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards		Any other (Specify)	
				N	I	N	I
01	Dr. S. Srinivasan	03	-	-	-	-	-
02	Dr. Dhanalakshmi	-	-	-	01	-	-
	Total	03	-	0	01	0	0

- Dr. S. Srinivasan:

1) Member of the taskforce on Standard Treatment Guidelines/Protocols of NHSRC nominated by Ministry of Health and Family Welfare –Attended 2 meetings on 14th January and 3rd March 2015
2) Member of the Research Sub-Committee (RSC) of ICMR-INCLEN-CHNRI collaborative project entitled "National Research Priority Setting in Maternal, Newborn, Child Health and Nutrition (MNCHN)"- The INCLEN Trust International & CHNR
3) Advisor in the Indian College of Pediatrics (ICP) of Indian Academy of Pediatrics (IAP)constituted in 2013

- Dr. Dhanalakshmi: Member in the Editorial board of the Journal "Journal of Pregnancy and Child health"

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended 145 of FDPs.

International: 19; National: 39; State: 55; University/College: 31

- On an average, each faculty attends One FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	

1.	Orientation Programme	02		01	03
2.	Refresher programme			03	03
3.	Workshops	09	14	01	24
4.	Seminars / Symposia / Conferences	24	09	07	40
5.	CMEs/CDEs/MET/DET/Clinical meets	44	06	02	52
6.	Special Lectures	01			01
7.	Any other	07	10	07	24
	TOTAL	87	39	21	147

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	**-**	**04**	**04**
2.	No. of PG Dissertations based on Research Work	**08**	**19**	**27**
	Total	**08**	**23**	**31**

- percentage of students who have taken up in-house projects including Inter-departmental projects : 100%

- percentage of students doing projects in collaboration with other universities / Industry / institute : NIL

- **Details of Students STS ICMR Projects**:

Sl. No	Name of the Student	Name of the Guide	Year	Title of the Project	Amount Sanctioned	Outcome in Short
1.	Mr. Somashekar	Dr. Gunasekaran	2012	Assessment of nutritional status of school aged children (6-12 years of age)	10,000	Thinness is identified as a common problem in children aged 6-12 years from semi-urbanPuducherry and low birth weight, inadequate intake of calories and or proteins and poor parental literacy were identified as significant risk factors for under-nutrition in our study.
2	Mr. Arunkumar	Dr. C.Venkatesh	2012	Peak expiratory flow rates in semi-urban school aged children 6-12 years of age.	10,000	Monitoring Peak Expiratory Flow Meter as a routine is important as one fifth of them may have reduced values. It may also help to detect and prevent abnormal lung functions in them.
3	Keerthi Jain	Dr.Gunasekaran	2011	Knowledge, attitude and practice of mothers in using gripe water for their babies	10,000	Gripe water is not useful to children; constipation and excessive regurgitation are the most common side effects of Gripewater.
4	Ms. Bhuvaneshwari	Dr. Soundararajan	2010	Breast feeding difficulties in the immediate post-partum period	10,000	Antenatal counseling has not significantly impacted early initiation of breast feeding. Maternal fever and breast tenderness were the most common problems encountered in Primi mothers.

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students:

Awards & Recognitions

Sl. No.	Received by	Number of Awards at	Number of Recognitions at

		State/ University Level	National Level	International Level	Total	State/ University Level	National Level	International Level	Total
01	Dr. Srinivasan					02	-	-	02
02	Faculty – Dr. Dhanalakshmi		1		01				
03	Students UG/PG	02							02

The details of the awards and recognition received by the faculty are as follows:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1	Dr. S. Srinivasan, Professor of Pediatrics	Srimathy Rukmaniammal Internal Oration for 2013-2014 at MGMCRI	University	24 Jan 2014
2	Dr. S. Srinivasan, Professor of Pediatrics	Dr S.G.Desai oration on the subject "Holistic and ethical approach to a sick child"	State	1st November, 2014
3	Dr. Dhanalakshmi	Best paper in "Neuopedicon"	National	11th October 2014

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

30. Seminars / Conferences / Workshops organized and the source of funding (State / National / International) with details of outstanding participants, if any.

Total Organized: 22

(International: 02; National: 01; State: 05; University/College: 14).

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1	CONFERENCES	1	900	University	National	External
2.	SEMINARS	1	250	University	International	E
3.	WORKSHOPS	2		University	University	I

4.	SKILL BASED TRAINING PALS Provider Course	1		University	International	I
5.	CME / CLINICAL MEETING	5	Around 150	University	State	I & E
6.	ANY OTHER (GUEST LECTURERS; TRAINING/ INDUCTION PROGRAMS)	12	Around 250	University	University	I & E

N: National; I: International; U: University; C: College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments:

ICMR (Indian Council for Medical Research) – 2006 Guidelines

***32. Student Profile program-wise – Students enrolled and performance*:**

a. **PG Students**

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Super Specialty	2009-2010	…..	…..	…..	…..	…..
	2010-2011	…..	…..	…..	…..	…..
	2011-2012	14	12	2	16.7	2+0=2
	2012-2013	15	9	9	100	2+0=2
	2013-2014	10	7	2	28.6	2+0=2
	2014-2015	10	9	2	22.2	2+0=2
Degree (MD / MS) / Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49=35=84
	2013-2014	200	179	81	45.3	50+28=78

	2014-2015	250	194	78	40.2	45+30=75
UG Degree	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1079	790	363	46	120+94=214 11+25=36

b.Performance in University Examinations:

Name of the Course ***(Refer to Question no. 4)***	**Number of students completed PG Studies and Pass percentage during the past Five Academic Years**				
	Academic Year	**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
PG Degree	**2009-2010**	02	02	100%	-
	2010-2011	03	02	66.6%	-
	2011-2012	03	02	66.6%	-
	2012-2013	05	05	100%	-
	2013-2014	02	01	50%	-
	2014-2015	04	03	75%	-
PG Diploma	**2009-2010**	02	02	100%	-
	2010-2011	02	02	100%	--
	2011-2012	02	02	100%	-
	2012-2013	02	01	50%	-
	2013-2014	02	01	50%	-
	2014-2015	02	02	100%	-

Performance in University examinations conducted by SBV:

Name of the Course	**Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years**				
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**
UG Degree (MBBS)	**2009-2010**	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

a. PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	**2009-2010**	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-
PG Diploma	**2009-2010**	-	-	-	-	6	50	6	50	-	-
	2010-2011	-	-	-	-	6	54.5	5	45.5	-	-
	2011-2012	-	-	-	-	7	63.6	4	36.4	-	-
	2012-2013	-	-	-	-	8	61.5	5	38.5	-	-
	2013-2014	-	-	1	8.3	9	75	2	16.7	-	-

	2014-2015	-	-	-	-	10	83.3	2	16.6	-	-

b.UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of students from within Pondicherry**		**No. and % of students from Outside Pondicherry**				**No. and % of Students from Other Countries (Outside India)**	
				From TN		**Other States**			
UG Degree (MBBS)	**2009-2010**	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34.How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.

Nil

35.Student Progression

Student progression	**No. & % against enrolled**
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	a) 02
PG to Superspeciality – DM / M Ch in the Subject of the Department a.SBV to SBV b.SBV to Other Institutions	a) NIL b) 02 (10%)
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	a) 01(03%) b) 04 (12%)
Entrepreneurs / Self Employed / Practitioners from among the Dept. PG / Super specialty students	a. (85%)

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University	**NIL**	**01**
from other Universities within the State	04	NIL
from Universities from other States	09	12
from Universities outside the Country	NIL	NIL

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

a.Before joining SBV: 03 (Dr. Soma)

b. After joining SBV (2008 – 2015): NIL

38.Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
1	No. of Books	826	113
2	No. of Journals	05	NIL
3	No. of e-Journals	61	NIL
4	P.G. Dissertations	20	12
5	Project Reports of UG	-	01
6	Project Reports of PG	-	-
7	Project Report of Faculty	-	-

B. Computer and Internet facilities for staff and students available at Department:

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	02	02
2.	Central facility	142	24

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1	Demonstration Rooms	03	-
2	Auditorium	-	-
3	Class rooms with ICT facility	02	07
4	Seminar Hall with ICT facility	01	-
5	Auditorium with ICT		01 (Under construction)

6	Students' Laboratories at the Department	One side lab is there in Paediatric General ward
7.	Skill Lab	Facilities to train students in BLS, PALS ,Neonatal Resuscitation and other basic skills required pertaining to pediatrics are available.
8.	Sharing or Usage of the resources of other Departments	Pathology& Microbiology labs, CIDRF

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. (Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C

Pediatric OPD Equipment List

S. No	Equipment	Numbers	Name	Model	Make	Approx. Cost	Functional Status	AMC
01	ILR	1			Bluestar	53000	Working	

Pediatric Ward Equipment List

S.No	Equipment	Numbers	Name	Model	Make	Approx. Cost	Functional Status	AMC
01	SPO_2 Monitor	1			BPL	71000	Working	

NICU Equipment List

S. No	Equipment	Total Numbers		Name	Model	Make	Approx. Cost	Functional Status	AMC

1	Phototherapy unit (Double surface)	5	1	Phototherapy unit		Zeal Medical	10000	Working	Nil
			2	Phototherapy unit		Zeal Medical	10000	Working	Nil
			3	Phototherapy unit		Zeal Medical	10000	Working	Nil
			4	Phototherapy unit		Zeal Medical	10000	Working	Nil
			5	Phototherapy unit	NICE4000CFL	Nice Neotech	22800	Working	
2	Phototherapy unit (Single surface)	5	1	Phototherapy unit	OLD MODEL	Zeal Medical	10000	Working	Nil
			2	Phototherapy unit	NICE4000CFL	Nice Neotech	22800	Working	Nil
			3	Phototherapy unit	NICE4000CFL	Nice Neotech	22800	Working	Nil
			4	Phototherapy unit	NICE4000CFL	Nice Neotech	22800	Not Working	Nil
			5	Phototherapy unit	NICE4000CFL	Nice Neotech	22800	Not Working	Nil
3	Multi Channel Monitor (Planet 50)	5	1	Multi Channel Monitor	Planet 50N	L & T	98,000	Working	Nil
			2	Multi Channel Monitor	Planet 50N	L & T	98,000	Working	Nil
			3	Multi Channel Monitor	Planet 50N	L & T	98,000	Working	Nil
			4	Multi Channel Monitor	Planet 50N	L & T	98,000	Working	Nil
			5	Multi Channel Monitor	Planet 50N	L & T	98,000	Working	Nil
4	Neonatal ventilators	2	1	Neonatal ventilator	ASPEN	Takaoka	2,35,000	Working	Yes
			2	Neonatal ventilator	Nelcor Puritan Benett	Puritan Benett	8,06,000	Working	Yes

5	Mini ventilator for transport(Neopuff)	1	1	Mini ventilator for transport	Neopuff	Fisher & Paykel	50,000	Working	Nil
6	Bubble CPAP	1				Fisher & Paykel	1,45,000	Working	

P I C U Equipment List

S. No	Equipment	Numbers		Name	Model	Make	Approx. Cost	Functional Status	AMC
1	Ventilator	2	1	Ventilator	Servo-S	Maquet	7 lakhs	Working	Nil
			2	Ventilator	Servo-S	Maquet	7 lakhs	Working	Nil
2	Multi Channel Monitor (Planet 50)	3	1	Multi Channel Monitor	Planet 50	L&T	98000	Working	Nil
			2	Multi Channel Monitor	Planet 50	L&T	98000	Working	Nil
			3	Multi Channel Monitor	Planet 50	L&T	98000	Working	Nil
3	Defibrillator	1	1	Defibrillator	Heart Start XL	Philips	2,24,000	Working	Nil

E.Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	04
2.	No. of Beds / Dental Chairs (unit wise & Total of the Dept.)	:	120 beds (each unit 30)
3.	No. of ICU (name; no. of beds in ICUs)	:	PICU (06), NICU (15)
4.	No. of Wards belonging to the Department	:	Two wards in the I block, 3rd floor
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	10 clinics
6.	No. of Ots (Major / Minor)	:	NA
7.	No. of Labor Rooms / any other facility	:	05
8.	Clinical Examination Room / Demo Room	:	9 Clinical Examination Rooms 3 Demo Rooms
9.	List any other facility / services	:	Nil

10.	No. of Out-patient / day for the Dept. OPD (Average)	:	320
11.	No. of In-patient / day for the Dept. IPD (Average)	:	18
12.	No. of Operation / day (Major) carried out by the Department	:	NA
13.	No. of Operation / day (Minor) carried out by the Department	:	NA
14.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	Nil

39. List of Doctoral, Post-Doctoral Students and Research Associates: *Nil*

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*
- *Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms*

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

As per the recommendations of WHO, the ideal Doctor: Population ratio is 1: 1000. But, in India, the expectations are far behind this. The number of Pediatric population is 40% of the total population and the mortality in them is high especially, in children aged <5 years. To address these issues, we need to have more MBBS doctors and Pediatricians and hence the UG and PG courses have been started.

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes; To find out new ways and means to improve the teaching- learning methods

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

After each clinical posting, students are asked to comment on the teaching and evaluation carried out in the Department. Based on this feedback, the senior faculties will counsel and modify the teaching program.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes; Interns finishing their posting with the department are asked to give their

comments and the same are utilized constructively in Departmental activities.

43. List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1	Dr.Ram Kumar	ICH & HC, Madras Medical College	DM Neonatology PG	Chennai, Tamil Nadu
2.	Dr.Manikandan	Kilpauk Medical College.	DM Neonatology PG	Chennai, Tamil Nadu
3.	Dr.Sujata Patodia	AIIMS	Asst.Professor	Bhubaneshwar
4.	Dr.Kapil Dalgo Thomas	Pushpagiri Institute of Medical Sciences & Research Centre	Asst.Professor	Thiruvalla, Kerala
5.	Dr.Vijoo Anto Prabu	St.John's Medical College	Fellowship in Neonatology	Bangalore, Karnataka
6	Dr. Leense Paulose	Private Hospital	Consultant	Sharjah, UAE.
7	Dr. Thumja	Balaji Medical College	Asst. Professor	Chennai, Tamil Nadu

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

1.Number of SEPs conducted during the last Five Years: 36
Details are as follows:-

Sl. No	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Special Lectures	07.09.2012	MGMCRI		I
2.	Workshops/ Hands on Training	5			I
3.	Special Seminars	3			I
4.	Training Programmes	1			I
5.	CMEs / CDEs	1			I
6.	Clinical Meetings	3	College		I
7.	Conferences	13			I
9.	Any Other	10			

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching

Sl. No	For UG	For PG
1.	Clinical Demonstration	Clinical Demonstration
2.	Skills training in Simulation Lab (BLS)	Skills training in Simulation Lab (BLS, Pals, NRP)
3.	Demonstration of Specific clinical skills on mannequins and patients	Discussion of Clinical Scenarios
4.	Periodical Assessments in form of Written, Clinical and Oral exams.	Daily discussion of Patient management in ward admitted on previous day
		Skills development like IV access, Central access, LP,BM aspiration ,etc under supervision
		Teaching Programme comprising seminar, journal clubs, etc

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Interactions in the class room and ward rounds, during viva-voce / oral examinations, internal assessment tests, feed back from mentors / student counselors, review of results and performance evaluation. In addition for PGs, mid-term evaluation of Dissertation works, interactions during seminars/symposia presentations.

47. Highlight the participation of students and faculty in extension activities.

a.Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	No. of Beneficiaries
1.	Rural/Urban camps for child screening as arranged by Dept.of PSM and Deputy Director's office	Once in 10 days	About 50 -100 children in lower socio economic status

b.Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students:

a) Regular camps conducted once in 10 days for the benefit of poor children in rural areas.
b) We are part of the Polio eradication Programme and Measles surveillance programme.
c) WHO Surveillance Medical Officer Dr. Munendar Kumar Sharma was invited to give

a lecture on the current status of the reporting and surveillance of Polio and Measles on 22nd October 2014.

d) "Importance of human breast milk" – an interactive talk was delivered for the students of B.Ed., College on 09th of August 2014.

e) Awareness and promotion of breast feeding by conducting group discussions with women at our Rural Health Centre, Seliamedu and Urban Health Centre, Ariankuppam, once in 3 mths by faculties.

48. Give details of "beyond syllabus scholarly activities" of the department.

a) We actively participate in the Scientific & Academic Forum meetings, of our University.
b) We make presentations regularly in the Medical Audit Meetings.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

a) American Heart Association's accreditation to conduct PALS (Pediatric Advanced Life Support Courses)
b) Indian Academy of Pediatrics accreditation to conduct NRP (Neonatal Resuscitation Programme)
c) An approved immunization centre by the Deputy Director's office of Immunization, Pondicherry.
d) A reporting centre for "Acute Flaccid Paralysis and Measles Surveillance System".

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

a) One of our publication titled "Congenital rubells syndrome: a continuing conundrum" has been published in Lancet with impact factor of 39, highlights the importance of rubella immunization in the female population of the community.

b) Administering Gripe water to the infants is a routine in this part of the country. An ICMR project undertaken in our department revealed the hazards of using gripe water in infants and children, following which we strongly discourage the use of the same.

c) One our PG dissertation highlighted the importance of iron supplementation even in apparently healthy adolescent girls of our community, in view of high prevalence of subclinical iron deficiency.

d) Several studies have been conducted on the common neonatal problems such as seizures,

preterm & low-birth weight babies and infant of diabetic mothers.

e) To address the problem of multi-drug resistant organisms, we have an on-going study to determine the prevalent organisms in our NICU and their antibiogram, to formulate our own antibiotic policy.

f) One of the PG dissertation highlighted the usefulness of estimation of cord blood cortisol levels in predicting Hyaline Membrane Disease in preterm babies.

51. Detail five major Strengths, Weaknesses, Opportunities, and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Presence of experienced senior academicians	Brief duration of association of the APs and SRs with the department.	Facilities to do karyotyping and molecular research	Need for regular faculties at Associate Professor /Assistant Professor/Senior Residents level
2.	10 specialty clinics conducted regularly and meticulously.	Higher attrition rate among the trained staff-nurses	Highly supportive management	To provide quality care at an affordable cost to the poor
3.	Good relationship and rapport with other departments	Less publications	Ample resources for research activities	Difficulty in time management with respect to research, patient care and teaching.
4.	Affordable neonatal care facilities among the teaching hospitals in and around Pondicherry		To involve Pediatric super-specialists in comprehensive care of children	

***52. Future Plans of the Department* :**

- **Academics:** Newer courses (UG, PG, Certificate, others): To start DM Neonatology course. To continue PALS course and Neonatal Resuscitation Programs effectively for the PGs
- **TLE Methods:** To introduce OSCE as a method of evaluation of learning for the UGs and PGs.
- **Research:** To integrate alternate systems of healing such as music therapy and yoga.
- **Extension:** To start conducting IAP Sponsored Neonatal Resuscitation workshops

for the Nursing students. To adopt two nearby "Homes for abandoned children" for free medical care.

- **Infrastructure (Physical & Learning Resources):** Up-gradation of Pediatric Intensive Care Unit and Neonatal Intensive Care Unit.
- **FDPs**: To conduct a in-house workshop on Developmental assessment of High risk Infants and children. To call external experts to conduct learning programmes and workshops
- **SDPs:** UGs: to arrange sympsosiums on assigned topics. PGs: To discuss the clinical scenarios; to encourage them attend teaching programmes outside the college
- Any other.

53.

a. Salient and Unique Features of the Department:

The Immunization clinic is conducted in an ideal manner (Vaccines are administered by the Doctors; Cold chain b.is maintained perfectly; the details of the vaccine administered is noted in the records)

b. Innovations of the Department:

Usefulness of music therapy in Pediatric Practice is being evaluated. Research programmes are being conducted in the specified Pediatric Problems such as Hyaline Membrane Disease, Hyper Reactive Airway Disease.

c. Best Practices:

The growth and development of every child attending the OPD is being assessed and the necessary steps are taken accordingly. Evidence based medicine is followed in managing the childhood diseases. We promote exclusive breast feeding.

d. Any other point which the department wants to state (not covered above):

All the deliveries are being attended by a PG/SR/AP trained in NRP (Neonatal Resuscitation Programme)

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Anaesthesiology & Critical Care

1. Name of the Department **: Anaesthesiology & Critical Care**

2. Year of Establishment **: 2001**

3. Is the Department part of a College / Faculty of the University?

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute,** a Constituent Unit of **Sri Balaji Vidyapeeth,** Pondicherry**,** under the Faculty of **Medicine.**

4. Names of Programs Offered *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*

The Department offers the following programmes:

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Annual	2001	250	250	4&1/2 yrs
PG Degree	MD Anaesthesiology	Annual	2008	6	12	3 years
PG Diploma	DA	Annual	2008	2	4	2 years
Super specialty	NA					
Doctoral	PhD	Annual	2015	1	-	3 years
Any other	FUGRA (Fellowship in Ultrasound Guided Regional Anaesthesia)	Bi-Annual	2014	4	2	6 months
	American Heart Association accredited a) BLS b)ACLS courses	Every month	2013	BLS-216 ACLS-144		BLS- 1 day ACLS- 2 days

5. Interdisciplinary Programs and Departments involved:

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1	MBBS	All Departments of the Institute	
2	MD / DA Anaesthesiology	Casualty, Radiology, Cardiology	Neuroanaesthesia – NIMHANS, Bangalore
3	FUGRA	Anatomy, Radiology	

Nature of Involvement:

All MD / DA Anaesthesiology PG students are posted in the Departments of Radiology, Cardiology & Casualty for 1 month clinical postings each. In casualty, they actively participate in assessment and management of emergency cases under the supervision of EMS physicians. In Radiology department they are expected learn how to interpret various imaging modalities- CXR, CT, MRI, USG. In the cardiology department they are expected to learn coronary care and interventions in the cathlab and learn basic echo cardiography.

Fellowship candidates (FUGRA) have hands on cadaveric dissection classes in the department of Anatomy regarding anatomy relevant for ultrasound guided regional anaesthesia. Radiology department is involved in teaching basics of ultrasound machine and imaging.

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

(i) American Heart Association (AHA) Accredited certificate courses on basic and advanced cardiac life support at MGMCRI simulation centre.
(ii) Application has been submitted to ISCCM (Indian Society for Critical Care Medicine) for starting “Diploma in Critical Care”

*7. Details of Programs discontinued, if any, with reasons.*Nil

8. Examination System : Annual / Semester / Trimester / Choice Based Credit System

Summative assessment in the form of practical & theory exam will be conducted at the end of the course. MD after 3 years, DA after 2 years and FUGRA after 6 months.

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department of MGMCRI	Other Colleges / Institutes
MS General Surgery	General Surgery	
MD OBG	OBG	
MS ENT	ENT	
MDS OMFS	OMFS	IGIDS

Nature of Involvement:

Post graduate students from the departments of General Surgery, OBG, ENT from MGMC&RI; and MDS postgraduate students belonging department of OMFS from IGIDS are posted for 15 days clinical postings in the department of Anaesthesiology. During the posting they follow up the cases from the pre-anaesthetic assessment, intra-operative management, management of problems in the immediate recovery period, and post operative management.

10. Number of Teaching posts sanctioned, filled and actual

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	2	1	3
Associate Professor / Reader	3	4	3	7
Assistant Professor / Lecturers	5	3	5	8
Subtotal (1)	9	9	9	18

Designation	Sanctioned (as per MCI)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Demonstrator / Tutor	-	-	-	-
Senior Resident	14	8	3	11
Junior Resident	22	18	4	22
Subtotal (2)		26	7	33
Grand Total (1+2)	23	35	16	51

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance.

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1.	Prof T Siva shan mugam	MD, FRC, DNB, PDCC	Professor & HOD	Anaesthesiology Regional Anaesthesia, Cardiac Anaesthesia	13 yrs	(8.01.07) 9yrs	1	2
2.	Prof M Ravi shankar	DA, MD, FRCP	Professor & Dean	Anesthesiology & Critical Care	40yrs	(30.03.05) 10yrs	2	5
3.	Prof N Krishna veni	DA, MD	Professor	Anaesthesiology	27yrs	(1.10.04) 11yrs	1	6
4.	Dr.V R Hemanth Kumar	DA, DNB	Associate Professor	Anaesthesiology &Simulation Based Learning	12yrs	(5.11.08) 7yrs	1	1
5.	Dr Rani P	DA,DNB	Associate Professor	Anaesthesiology	12yrs	(5.07.13) 2yr	1	NIL

6.	Dr. Kusha Nag	MD, DNB	Associate Professor	Anaesthesiology	8yrs	(27.05.11) 4yrs	NA	NA
7.	Dr. Sameer M Jahagir dar	DA, DNB	Associate Professor	Anaesthesiology &Critical Care	11yr	(2.06.09) 5yrs	NA	NA
8.	Dr. Sripriya.R	DNB	Associate Professor	Anaesthesiology	8yrs	(1.12.10) 5yrs	NA	NA
9.	Dr. S Partha sarathy	MD DA DNB PhD	Associate Professor	Anaesthesiology	7yrs	(11.01.11) 4yrs	NA	NA
10.	Dr. Dewan Roshan Singh	MD	Associate Professor	Anaesthesiology	7yrs	(27.5.11) 4yrs	NA	NA
11.	Dr. S Antony John Charles	MD	Assistant Professor	Anaesthesiology	7yrs	(21.11.11) 4yrs	NA	NA
12.	Dr. Gayatri Mishra	DNB	Assistant Professor	Anaesthesiology	7yrs	(30.07.12) 3yrs	NA	NA
13.	Dr. M Aruloli	MD	Assistant Professor	Anaesthesiology	6yrs	(16.05.13) 2yrs	NA	NA
14.	Dr. M Thiriloga Sundary	MD	Assistant Professor	Anaesthesiology	5yrs	(27.05.13) 2yrs	NA	NA
15.	Dr. Jaya V	MD, DNB	Assistant Professor	Anaesthesiology	7yrs	(3.06.13) 2yrs	NA	NA

16.	Dr Amrutha Bindu Nagella	MD	Assistant Professor	Anaesthesiology	5yrs	(29.07.13) 2yrs	NA	NA
17.	Dr. Annie Sheeba J	MD	Assistant Professor	Anaesthesiology	5yrs	(9.10.14) 1yr	NA	NA
18.	Dr. Indubala	MD	Assistant Professor	Anaesthesiology	7yrs	(2.05.15)	NA	NA

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities*)**:

Sl.NO	Name of the Faculty as Ph.D Guide	No. of Ph.D Students Registered at SBV under the Faculty		No. of Ph.D Students Registered at other Universities under the Faculty	
		Guiding	Guided	Guiding	Guided
1.	Prof M Ravishankar	Nil	Nil	Nil	Nil
2.	Dr S Parthasarathy	Nil	Nil	Nil	1

c. ***Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students: Nil***

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl. NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Years of Teaching Experience
1.	Prof. Uma maheswar Rao	MD	Prof & HOD, NIMHANS, Bangalore	Neuroanaesthesia	35
2.	Dr. Sivarajan	MD	Professor of Anaesthesiology, Madras Medical College	General Anaesthesia	30

13. Percentage of classes taken by temporary faculty – program-wise information: NIL

14. Program-wise Teacher Student Ratio *(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

Programme	Teacher Student Ratio

UG	**1 : 15**
PG Degree	1 :1
PG Diploma	1 :1
Ph.D	1:1
Any other	FUGRA- 1:2

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Gas Plant Operators	2	2	-	**2**
	Anaesthesia OT Technicians	15	7	8	**15**
	OT assistants	19	13	6	**19**
	Attenders	18	9	9	**18**
	C-arm technicians	2	2	-	**2**
	OT Clerk	1	1	-	**1**
	AC technician	1	1	-	**1**
	Bio-medical staff	1	1	-	**1**
Administrative Staff	Personal Secretary	1	-	1	**1**
Total			**36**	**23**	**59**

16. Research thrust areas as recognized by major funding agencies and SBV

The primary areas of research thrust in the Anaesthesiology department are as follows:

1. Ultrasound guided regional anaesthesia - To identifying the ideal site for local anaesthetic deposition during the ultrasound guided supraclavicular block.

2. Practice of low flow anaesthesia- Assessment of algorithm for end tidal control low flow

anaesthesia using computer simulation.

3. Newer gadgets- Assessment of different video based gadgets for management of difficult airway

4. Pain relief- assessment of different drug delivery systems for acute postoperative pain relief.

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

11 Numbers of Faculty of the department are involved in **14** Number of Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs
International Funding Agency	-	-	-	-
National Funding Agency	-	-	-	-
University Funded	2	-	2	Rs 2.25 Lakhs
Department Funded	12	5	17	Rs 2.10 Lakhs
Total	14	5	19	Rs 4.35 Lakhs

Details of the Projects:

a.Ongoing Projects:14.

b.Completed Projects:5

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) :

The Department has total **5** numbers of Collaborative Projects.

Total grant received **Rs 40 lakhs** (National 25 lakhs; International 15 lakhs).

Five faculties of the department are involved in the said Collaborative Projects**.**

Abstract of Collaborative Projects:

No. of Projects from	Number of Ongoing Collaborative Projects	Number of Completed Collaborative Projects	Total
International funding agency			
National funding agency			
University funded	1	2	3
Department	1	1	2
Total	2	3	5

Details of the Collaborative projects:

a.National Collaboration: (Total: 4; Ongoing: 2; Completed: 2; Total grant is Rs 25 lakhs).

Sl. NO.	PI, Co-PI and Project Title	Name of the collaborating Institutions / Industries	Funding Agency	Grant received in Lakhs	Duration	Ongoing / Completed
1.	Dr. Ravishankar M, Dr. Kusha Nag "Awareness under anaesthesia"	Multi-centric: JIPMER/AIIMS/ CMC/ SRMCRI	SBV	-	2012-2015	**Ongoing**
2.	Dr. Ravishankar M., Dr. Amrutha Bindu, Dr. Hemanth kumar Anaesthesia practice and reproductive outcomes- is it a matter of concern.	ISA National, Medical Institutions from Karnataka, Tamil Nadu & Pondicherry.	SBV	-	2014-2015	**Completed**

3.	Dr. Ravishankar. Dr. Sivashanmugam Cardiorespiratory effects of PEEP during capnoperitoneum for laparoscopic cholecystectomy	JIPMER & MGMCRI	SBV	10 Lakhs	2013-2015	**Ongoing**
4 .	Dr. Ravishankar.M Dr. Sivashanmugam Cardiorespiratory effects of balancing PEEP with IAP during laparoscopic cholecystectomy	JIPMER & MGMCRI	SBV	15 Lakhs	2011-2013	**Completed**

b.International Collaboration :(Total 1; Ongoing: NIL. Completed: 1; Total grant in Rs 15 lakhs).

Sl. No.	PI, Co-PI and Project Title	Name of the collaborating Institutions / Industries	Funding agency	Grant Received in lakhs	Duration	Ongoing / Completed
1.	Dr. Sivashanmugam, Dr Suja Ray, Dr Manoj Karmakar. Randomized comparison of extrafascial vs subfascial injection of LA during USG guided supraclavicular brachial plexus block	The Chinese University of Hong Kong, Prince of Wales Hospital	SBV	15 Lakhs	2012-2014	Completed

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.
Please refer to details in Qn.Nos.17 and 18 for faculty and Qn.No.28 for students.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned	For details refer to Qn.Nos
		Ongoing	Completed	Total		
1.	Faculty Projects	14	5	19	2.25 lakhs	17
2.	Inter-institutional Collaborative Projects	2	3	5	40 lakhs	18
3.	Students Projects	12	16	28	-	28
	Total	28	24	52	42.25 lakhs	

20. A. Research facility / Centre available to carry out research :-

- In the department (give details of facilities in brief) :

  Infrastructure:

  1. Aysis anaesthesia care station – Able to deliver automated anaesthesia control (ET control).
  2. Sonosite MicroMaxx – Hand carried portable US system to meet the point care need
  3. Agilomet - TCI pump – Target control infusion
  4. TIVA pumps – total intravenous anaesthesia pumps
  5. Patient Controlled Analgesia Pumps for postoperative analgesia.
  6. Neuromuscular transmission monitor
  7. Fibreoptic bronchoscopes, video-laryngoscopes.
  8. Acid blood gas analyzer
  9. Critical care ventilators
  10. Anaesthesia depth monitors
  11. Anaesthetic Agent Gas Analyzer
  12. Invasive pressure monitoring.
  13. Analgesia monitors
  14. Transesophageal echocardiography.

  Case load: About 20,000 cases \ annum (OT/ICU/ PAC/ pain clinic/ vascular access clinic/ Outreach services)
- In other departments (give details of facilities used by your department) **:**
  CIDRF – HPLC method for plasma drug concentration evaluation.
  Skill Lab – Mannequins, simulation models, computer soft wares.
  MUSIC THERAPY – Instruments and recording systems.
- In other college (give details of facilities used by your department) **: NIL**
- At central level (give details of facilities used by your department) **:**
  CIDRF, Simulation Centre (Skills Lab)

b.Research facility / centre with: (recognised by national and international agencies for providing assistance for research) CIDRF

21. Special research laboratories created / sponsored by SBV: CIDRF

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
o **t** 136	**65**	**71**

B. *Monographs:* *Total ……**4**…… Monographs published by ……**2**…… Faculty.*

Sl. No.	Name of the Faculty	Topic of Monograph	Print or Online	Year
1.	Prof. M. Ravishankar	1. Gasman Workshop – Understanding inhalational anaesthesia using gasman	Print	2011
		2. Gasman: National mentors program-group exercises	Print	2012
		3. CPR Manual	Print	2015
2.	Dr. V.R. Hemanth Kumar	CPR Manual	Print	2015

C.C*hapters in Books: Total ……3…… Chapters in books published by ……1…… Faculty.*

Sl. No.	Name of the Faculty	Name of Chapter	Name of the Book / ISBN No.	Year	Name and Publisher
1	**Prof. M. Ravishankar**	1. Obstetric Analgesia and Anaesthesia:	Essential Obstetrics, Textbook for Undergraduates. :198-207.,	**2011**	Chennai: Universities Press Edited Books.
		2. The Anaesthesia machine 3. Breathing systems	Understanding anaesthesia equipments/ ISBN No. 9789351521242	**2015**	JAYPEE Brothers Medical Publishers Pvt Ltd

D.Books edited: Total ……5…… Books published by ……2…… Faculty.

Sl. No.	Name of the Faculty	Name of the Book / ISBN No.	Year
1	**Dr. S. Parthasarathy**	Tamil Poetry Books: 1. Sitharalaai Sinthanaigal Volume-1	**2012**
		2. Sitharalaai Sinthanaigal Volumes-2&3	**2013**
		3. Sitharalaai Sinthanaigal Volumes-4&5	**2014**

***E.Books Published with ISBN with details of publishers*:** Nil

F.Number of Research articles / publications listed in International Database

	2008	2009	2010	2011	2012	2013	2014	2015-Till date
No. of Publications in Databases	2	8	6	6	14	17	11	10
Citation Index –(Range / Average)								
Scopus	1	1	2	4	14	12	8	3
PubMed	0	1	3	1	5	11	5	1
WOS							1	

23. Details of Patents and income generated: nil

24. Areas of Consultancy and income generated

A. The areas of consultancy are as follows:

- Designing of ventilators for anaesthesia and critical care applications.
- Designing of anaesthesia machine.

B.The faculty of the department offer paid consultancy in the following areas:

Sl.No	Name of the Faculty	Type of Consultancy	Income Generated
1	Prof. M. Ravishankar	I. Consultant, Customer Advisory Board of GE health care from 2010-12. II. Consultant for designing anaesthesia ventilator for AVASARALA, 2010 till date III. Consultant for Air-Liquid Ventilator system	1 Lakh 1 Lakh Rs 50,000/-
2	Prof. T. Sivashanmugam	Consultant for designing anaesthesia machine for AVASARALA	-

C. The faculty of the department offer honorary / reciprocator consultancy in the following areas: NIL

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad

Sl. No.	Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
		National	International		
1.	Prof. M. Ravishankar	Medical colleges JNMC,Belgaum SRMC,Chennai CMC,Vellore Pune, Mumbai		2013	propagating 'inhalational anaesthesia using Gas Man'
		PRICOL laboratories		2008- 2013	Member of engineering group of PRICOL laboratories in designing ICU ventilators:
		Air Liquid Pvt Ltd			Evaluation of critical care ventilator
			Asia Pacific	2007	Board of Directors in Asia Ventilation Forum

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) *(**N**: National; **I**: International)*

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards		Any other (Specify)	
				N	I	N	I
1	Prof. M. Ravi shankar	1. Reviewer for IJA. 2. Founder member of Indian society of Emergency Medicine 3. Member of Bureau of Indian standards (BIS) for formulating specifications for anaesthesia equipments 4. Member customer advisory board, GE, 2010 5. Member institutional human ethics committee 6. Member of the board for Executive education and orientation for Avasarala group 7. Member of research and development board for NIBP monitors in L&T limited;	Board of director in Asia ventilation forum	Former Editor of chronicle SBV Univ.			
2	Dr. S. Partha sarathy	Reviewer for IJA, JOACP, Journal of Diagnostic & Clinical Research and Yansui medical journal etc.					
3	Dr Sivashanmugam		Board of executive members - RA ASIA				

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards		Any other (Specify)	
				N	I	N	I
	Total	**11**	**2**	**1**			

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended…**248** no. of FDPs.

  (..**5**..International; ..**47..** National; ..**28**…State/University. College **168**).

- On an average, each faculty attends **10** FDPs in a year.

Sl. No.	Type of FDP		No. of Faculty who participated in the FDPs			Total
		College level	State / University Level	National Level	Inter-national Level	
1.	Orientation programme		15			**15**
2.	Refresher programme			4		**4**
3.	Workshops		13	4		**17**
4.	Seminars / Symposia / Conferences			17	2	**19**
5.	CMEs/CDEs/MET/DET/Clinical meets			17	1	**18**
6.	Special Lectures			4	2	**6**
7.	College SAF/ Guest lecturers since 2008 till date	168	1	1		**170**
	TOTAL	**168**	**28**	**47**	**5**	**248**

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the

programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	-	**1**	**1**
2.	Any other UG Students Projects sponsored by SBV or Others	-	-	-
3.	No. of PG Dissertations based on Research Work	**12**	**15**	**27**
4.	Any other Projects done by PG Students other than Dissertations	-	-	-
	Total	**12**	**16**	**28**

- *percentage of students who have taken up in-house projects including Inter-departmental projects : Nil*

- *percentage of students doing projects in collaboration with other universities / Industry / institute : Nil*

Details of Students STS ICMR Projects:

Sl.No	Name of the Student	Name of the Guide	Year	Title of the Project	Amount Sanctioned	Outcome in Short
1.	**Dr. Anusha**	Dr. V R Hemanth Kumar	**2009**	"Retention of CPR skills in interns"	**Rs 5000/**	CPR skills deteriorated in 2mnths time

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	Inter-national Level	Total	State/ University Level	National Level	Inter-national Level	Total
1.	Faculty		2	2	4	8		3	11
2.	Students UG/PG		9						

Awards received by students:

- **Dr. Umeshkumar Athiraman** Postgraduate student, Dept. of Anaesthesiology & Critical Care awarded with Best Paper for the title "Initiatives to allay the procedural discomfort during establishment of subarachnoid block a randomized controlled trial" in Patient First International Conference on Quality assurance and Patient Safety held at Convention Center, Ananda Inn, Pondicherry, on 30th November 2012.

- **Dr. Suja Ray,** postgraduate, Department of Anaesthesiology & Critical won the first prize for paper presentation- Efficacy of conventional circumferential or subepineural deposition of local anaesthetic in ultrasound guided supraclavicular brachial plexus block-a prospective randomized observer blinded comparative study at PONSAC 2013 held at JIPMER, Puducherry from 23-25th August 2013 .

- **Dr. Suja Ray**, postgraduate, Department of Anaesthesiology & Critical won the first prize for paper presentation- Efficacy of conventional circumferential or subepineural deposition of local anaesthetic in ultrasound guided supraclavicular brachial plexus block-a prospective randomized observer blinded comparative study at ISACON2014 held at Guahati, Assam December 2013 .

- **Dr. Dalena Merin Mathew**, postgraduate, Department of Anaesthesiology & Critical Care won the first prize for Free Paper Presentation - Quantification of the influence of epidural analgesia on entropy guided general anesthesia using sevoflurane -A randomized controlled trial and was awarded a memento with certificate at the National Anesthesiology Conference -ISACON 2014 held at Madurai, Velammal Medical College from 26th Dec2014 to 29th Dec 2014.

- **Dr. Dalena Merin Mathew**, postgraduate, Department of Anaesthesiology & Critical Care won the second prize for poster Presentation: A survey on Emergency management of "neck breather's" at the State Anesthesiology Conference – PONCON 2014 held on 8th & 9th Nov 2014 at ManakulaVinayagar Medical College, Pondicherry.

- **Dr. Lakkam Vamsee Kiran**, postgraduate, Department of Anaesthesiology & Critical Care won the second prize for Free Poster presentation - A rare cause for recurrent respiratory distress in an infant with normal Chest x-ray - Foregut duplication Cyst and was awarded a memento with certificate at the National Anesthesiology Conference -ISACON 2014 held at Madurai, Velammal Medical College from 26th Dec 2014 to 29th Dec 2014.

- **Dr. Sruthi Arun Kumar**, postgraduate, Department of Anaesthesiology & Critical Care - Comparison of dexmedetomidine and clonidine as an adjuvant to 0.75% Ropivacaine for epidural anesthesia in lower abdominal and lower limb surgeries - A randomized controlled trial, was adjudged the best paper in Pondicherry ISA Conference & she was sponsored to present in TN Jha and Chansoriya memorial award category and was awarded a medal and certificate along with a travel grant of rupees 1000 at the National Anesthesiology Conference -ISACON 2014 held at Madurai, Velammal Medical College from 26th Dec 2014 to 29th Dec 2014.

- **Dr. Kusuma Srividya Radhika**, postgraduate, Department of Anaesthesiology & Critical Care was selected to present her paper - To compare the efficacy of non inflatable cuff of I - gel with inflatable cuff of laryngeal mask airway supreme in providing an adequate seal in anesthetized paralyzed patient receiving controlled ventilation in the Dr. KOP's award category and was awarded a medal at the National Anesthesiology Conference -ISACON 2014 held at Madurai, VelammalMedical College from 26th Dec 2014 to 29th Dec 2014.

- **Dr. Lakkam Vamsee Kiran**, postgraduate, Department of Anaesthesiology & Critical Care was selected to present his paper -A Prospective randomized observer blinded comparative study of Ultrasound guided ilioinguinaliliohypogastric nerve block or transverse abdominis plane block for post operative analgesia after lower segment caesarean section in the Dr. KOP's award category and was awarded a medal at the National Anesthesiology Conference -ISACON 2014 held at Madurai, Velammal Medical College from 26th Dec 2014 to 29th Dec 2014.

The details of the awards and recognition received by the faculty are:

S.No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1	Dr. Ravishankar	Life Time Achievement award for contribution in Anaesthesiology at PONSAC 2013 in JIPMER Pondicherry.	National	2013
		"Life Time Achievement award for progress in anaesthesia in India" by British Association of Indian Origin-Anaesthetists	International	2007
		Honorary fellowship of the Royal College of Physician and Surgeons of Glasgow	International	2012
		Honored as "Best Teacher" in the Balaji Anaesthesia Postgraduate Update program held in SVIMS, Tirupati in 2012.	National	2012
		Orations **i)** The 2nd Professor Vijayalakshmi Kamat Memorial Oration on "Safety in Anaesthesia" in January 2009 **ii)** JIPMER Alumini Oration in JSS on "Towards Improving Safety in Anaesthetic Practice" in April 2009. **iii)** Faculty Oration of 'Scientific & Academic Forum' of Mahatma Gandhi Medical College and Research Institute on "Quality Assurance in Anaesthetic Practice" for the year 2008. **iv)** P N Thota Memorial Oration in Manipal on "Ensuring Quality in Anaesthetic Practice" in sept 2007. **v)** Dr. Phaneendranath Thota Memorial Oration on "Ensuring Quality in Anaesthetic Care" in Kakinada on 28th October 2006. **vi)** Dr. Rajagopal memorial Oration in Chennai on "Blood conservation	State level	

		strategies in major surgical procedures" in March 2002. **vii)** Dr. (Mrs) Iyer Memorial Oration in ISA Solapur on 'Scope of Anaesthesia in the New Millennium" in July 2000. **viii)** Dr. Francis Memorial Oration in Kerala State Meet of ISA on "Newer Modes of Ventilation" in October 1993.		
2.	Dr. T Siva shanmugam	Staff academic fellowship award by the Commonwealth scholarship commission UK.	International	2010
		Honorary FRCP from the Royal College of Physician and Surgeons of Glasgow	International	2012
3.	Dr. Paratha sarathy	Paul Harris fellow.	International	2014

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

Dr. Sivashanmugam. T

Date	Academic event	Place	Participation
Year 2013			
19-01-13	International Conference on Regional Anaesthesia.2nd RA ASIA	Singapore	Delivered a Lecture on " Role of regional anaesthesia in chronic pain"
February	TEE workshop	PIMS	Attended as Delegate
25-5-13	ISA city branch meet.	Kanyakumari	Delivered a lecture on "Basics of Ultrasound and its utility in Regional Anaesthesia"
	Pondicherry state conference PONCON	Puducherry	Delivered a lecture on "Peripheral nerve blocks reemerging techniques and newer concepts"
25-08-13	South zone conference	Puducherry	Delivered a lecture on " Ultrasound guidance in Peripheral nerve block"

	PONSZAC		
16-11-13	Tamil Nadu state conference TRISACON	Trichy	Delivered a Lecture on " Role of regional anaesthesia in prevention of chronic post surgical pain" Conducted a workshop on "Ultrasound guided regional anaesthesia"
01-12-13	CME – Monitoring in Anaesthesiology (PIMS)	Puducherry	Delivered a Lecture on " Nociception and anti Nociception balance"
Year 2014			
19-01-14	International Conference on Regional Anaesthesia.3rd RA ASIA	Puducherry	Organizing secretary
02-03-14	ISA city branch annual meet CAP	Coimbatore	Delivered a Lecture on "Role of regional anaesthesia outside the operating room. "
26-07-14	Salem city branch annual meet	Yercaud Salem	Delivered a Lecture on "Anaesthetic management of patients with intra abdominal sepsis "
05-10-14	CME programme conducted by Coimbatore medical college CARE 2014	Coimbatore	Conducted workshop on " Ultrasound guided regional anaesthesia"
31-10-14	International Symposium on Spine and Paravertebral Sonography (ISSPS – 2014)	Hong Kong	Attended as Delegate.
09-11-14	Pondicherry state conference PONCON	Puducherry	Delivered a Lecture on "Cardiac patient for non cardiac surgery – How I do it?"

26-12-14	ISA – National conference ISACON	Madurai	Delivered a Lecture on "Automated control systems in anaesthesia"
Year 2015			
05-02-15	30th Annual National Pain Conference. ISSPCON 2015	Chennai	Conducted workshop on " Ultrasound guided supraclavicular nerve block"
06-02-15	30th Annual National Pain Conference. ISSPCON 2015	Chennai	Delivered a Lecture on "Ultrasound guided upper limb nerve block"
08-02-15	Ramachandra continuing medical education. RACE 2015	Chennai	Delivered a Lecture on "Rapid sequence Induction – current concepts"
08-03-15	ISA city branch annual meet CAP	Coimbatore	Conducted workshop on " Ultrasound guided sciatic nerve block"
01.06.15	CME on ultrasound guided nerve blocks by ISA Kanyakumari	Kanyakumari	Delivered a talk on know your ultrasound and its applications. Conducted a workshop on ultrasound guided upper limb and lower limb nerve blocks

Dr. Parthasarathy. S

1. Organized a ISA sponsored CME at Kumbakonam Jan 2011-"**expect the unexpected"**

2. TRISACON: 16. Nov. 2013 Trichy state anaesthesia conference – delivered a lecture on "anesthesia for a sterilization in a peripheral (PHC)set up".

3. Theni ISA meet and CME –Sept. 2012 - delivered a lecture on 'anesthetic management of intestinal obstruction'

4. CME on inhalational anesthesia – MGMCRI – Sep-2011 Delivered a lecture on- 'From ether to sevoflurane'.

5. Delivered a lecture on- ' Neonatal resuscitation – CME' at Thirunelveli – Feb. 2012

6. Delivered a lecture on- 'Acute pain in trauma' – Ortho club meet – 2008 Feb

7. Delivered a lecture on- ' Safe anesthesia in sterilization' – Thanjavur - TamilNadu govt. sponsored CME May 2015

8. Delivered a lecture on- 'Complex regional pain syndrome' – Thanjavur – ISA city branch May 2015.

Dr. Hemanth Kumar

1. Delivered a talk on Role of Anaesthesiologist in trauma in Golden hour in trauma CME at MGMCRI on 20-3-2015

2. Conducted a workshop on extended focus assessment in sonography in trauma at Pondicherry state conference, 8-9 NOV 2014

3. Delivered a lecture on " child with respiratory tract infection- Anaesthesiologist dilemma in annual Pondicherry state conference NOV 3-4th2012

4. Delivered a lecture on Eclampsia- anaesthetic management in Annual Pondicherry state conference oct2011

5. Delivered a talk on Perioperative antithrombotic therapy in ISA meet Pondicherry June 2010

6. Delivered a talk on ABG interpretation in Programmed in Advances in critical care& Emergency 5th National Annual conference held in JIPMER on 7-8th September 2013

7. Delivered a talk on Basic Life support at Scientific Academic forum at Indira Gandhi institute of dental Sciences Pondicherry on 28th Feb 2013

8. Delivered a talk on AHA Adult CPR guidelines 2010 at Scientific an d Academic forum MGMCRI on 16-9-2011

CME and Workshops organized:

1. RAASIA2014- international Conference on regional anaesthesia at JIPMER Pondicherry on 18-19th Jan 2014

2. Conducted workshop on simulation in crisis management in anaesthesia in South Zone anaesthesia conference Pondicherry on 23Aug 2013

3. CME cum Work shop on "Ultrasound in Anaesthesiology and Critical Care" at Mahatma Gandhi Medical College & RI. ISA Puducherry state branch meet 2009.

4. CME cum Work shop on "understanding inhalational anaesthesia – virtual to visual" at Mahatma Gandhi Medical College & RI, on 25/09/2011.

Dr. Sripriya.R

1. One of the members in the organizing team of- CME cum Work shop on "understanding inhalational anaesthesia – virtual to visual" at Mahatma Gandhi Medical College & RI, on 25/09/2011.

2. Free paper presentation in PONCON 2012- Pre-anaesthesia machine check protocol- Is it complete?

3. Conducted workshop on Advanced anaesthesia delivery systems – AISYS, in South Zone anaesthesia conference Pondicherry on 23Aug 2013

4. Delivered a lecture on 'Ultrasound guided lower limb blocks' at a CME organized by ISA Kanyakumari branch on 1.5.2015 conducted a workshop on the same topic.

30. Seminars / Conferences / Workshops organized and the source of funding *(State / National / International) with details of outstanding participants, if any.*

Total Organized: …11…….
(International: …3….; National: …5….; State: …1….; University: …2….).
Extract of the data:

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Conferences 1. PONCON 2. HICCON 3. HICCON 4. JICON 5. RAASIA	2011 2010 2011 2012 2014	200 650 750 650 550	ISA SBV SBV SBV ISA	State National National Inter National Inter National	8/ 2 8/12 8/14 6/18 10/10
2.	Seminars	PG seminars are				

		regularly conducted				
3.	Workshops 1. Ultrasound workshop and CME 2. Understanding inhalational anaesthesia 3. BMJ group workshop – get your research published 4. Gasman software Simulated understanding of inhalational anaesthesia.	2010 2012 2012 2013	250 200 100 100	SBV SBV SBV SBV	National National International National	5/ 3 2/ 3 0/ 5 1/4
4.	Skill based training	BLS/ACLS training				
5.	CME / Clinical meeting 1. CME on inhalational anesthesia; Desflurane: "Wakeup vs Complete Recovery"	14/11/14	50	SBV	College	0/ 1
6.	Any other (Guest lecturers; training/ induction programs) 1.Good Nutritional Practice modular teaching programme for Hospital Faculty which had 6 modules	1 module each month from Sept 2014-Feb 2015.	50	SBV	College	0/ 3
	Total	11				

N: National; I: International; U: University; C; College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments

The Declaration of Helisinki. All the research projects will be ratified by the department will be presented in the Institute Research Council (IRC). Those projects which are accepted in the IRC will be scrutinized by the Institute Ethical committee (IEC) for any ethical issues and final decision will be given to proceed for clinical trial.

32. Student Profile program-wise - Students enrolled and performance:

a. PG Students

Enrollment

Name of the Course (Refer to Question no. 4)	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Super Specialty	2009-2010	……	……	……	……	……
	2010-2011	……	……	……	……	……
	2011-2012	14	12	2	16.7	2+0= 2
	2012-2013	15	9	9	100	2+0= 2
	2013-2014	10	7	2	28.6	2+0= 2
	2014-2015	10	9	2	22.2	2+0= 2
PG Degree (MD/MS)/ Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75

UG Degree (MBBS)	2009-2010	830	538	264	49.07	55+59= 114 21+15= 36
	2010-2011	978	636	264	41.5	61+53= 114 20+16= 36
	2011-2012	1028	628	264	42.03	60+54= 114 12+24= 36
	2012-2013	1372	984	752	76.42	59+56= 115 15+20= 35
	2013-2014	1479	991	700	71	62+51= 113 16+21= 37
	2014-2015	1094	790	363	46	120+94=214 11+25= 36

b . Performance in University Examinations:

Performance in University Examinations conducted by SBV:

Name of the Course *(Refer to Question no. 4)*	Number of students completed PG Studies and Pass percentage during the past Five Academic Years					
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
PG Degree **MD/MS** *(Part-I1)*	**2009-2010**	April	---	---	---	---
		October	---	---	---	---
	2010-2011	April	1	1	100	---
		October	---	---	---	---
	2011-2012	April	29	24	83	---
		October	5	4	80	---
	2012-2013	April	51	45	88	---
		October	6	5	83	---
	2013-2014	April	55	49	89	---
		October	6	5	83	---
	2014-2015	April	58	47	81	---
		October	13	11	85	---
	2015-2016	April	67	54	81	---
		October	---	---	---	---
PG Degree **MD/MS** *(Part-I)*	**2009-2010**	April	---	---	---	---
		October	---	---	---	---
	2010-2011	April	53	43	81	---
		October	12	12	100	---
	2011-2012	April	34	31	91	---
		October	3	3	100	---
	2012-2013	April	43	40	93	---
		October	4	3	75	---
	2013-2014	April	49	36	73	---
		October	12	8	67	---
	2014-2015	April	10	7	70	---
		October	4	3	75	---
	2015-2016	April	6	5	95	---
		October	---	---	---	---

Name of the Course *(Refer to Question no. 4)*	Number of students completed PG Studies and Pass percentage during the past Five Academic Years					
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
PG Diploma	**2009-2010**	April	---	---	---	---
		October	---	---	---	---
	2010-2011	April	11	11	100	---
		October	---	---	---	---
	2011-2012	April	12	12	100	---
		October	---	---	---	---
	2012-2013	April	10	8	80	---
		October	2	2	100	---
	2013-2014	April	11	8	73	---
		October	2	2	100	---
	2014-2015	April	14	9	64	---
		October	4	4	100	---
	2014-2015	April	12	11	92	---
		October	---	---	---	---

Performance in University examinations conducted by SBV:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**
UG Degree	2009-2010	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

a. PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	2009-2010	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-
PG Diploma	2009-2010	-	-	-	-	6	50	6	50	-	-
	2010-2011	-	-	-	-	6	54.5	5	45.5	-	-
	2011-2012	-	-	-	-	7	63.6	4	36.4	-	-
	2012-2013	-	-	-	-	8	61.5	5	38.5	-	-
	2013-2014	-	-	1	8.3	9	75	2	16.7	-	-
	2014-2015	-	-	-	-	10	83.3	2	16.6	-	-

B. UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of students from within Pondicherry		No. and % of students from Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
				From TN		Other States			
UG Degree (MBBS)	**2009-2010**	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.

USMLE-1

IELTS-1.

35. Student Progression

Student progression	No. & % against enrolled
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	1
PG to Superspeciality - DM / M Ch in the Subject of the Department a.SBV to SBV b.SBV to Other Institutions	NIL
PG to Ph.D. a.SBV to SBV b.SBV to Other Institutions	NIL
Ph.D. to Post-Doctoral Fellowship a.SBV to SBV b.SBV to Other Institutions	Two candidates completed fellowship in critical care
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	• 2 PG students who finished MD were employed as Assistant Professors. • 2 PG students who finished DA were employed as Senior Residents • 1 PG student enrolled as fellow in

Student progression	No. & % against enrolled
	FUGRA
Entrepreneurs / Self Employed / Practitioners from among the Dept. PG / Super speciality students	2 Entrepreneurs / 23 Practitioners

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University	**(1/28) 3.57%**	**-**
from other Universities within the State	(0/28)	(7/28) 25%
from Universities from other States	(27/18) 88%	(21/28) 75%

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

a.Before joining SBV: Nil
b.After joining SBV (2008 – 2015): 3

- Prof M Ravishankar & Prof T Sivashanmugam have been awarded FRCP from University of Glasgow, Scotland
- Dr S Parthasarathy has been awarded PhD

38. Present details of Departmental Infrastructural Facilities with regard to

A. *Library* :

Sl. No.	Infrastructural facility for Teaching	Central Library	Department Library
1	No. of Books	390	115
2	No. of Journals	5	Hard copy – 1 journal Soft copy (TEAL) – 4 journal
3	No. of e-Journals	ProquestDatabase	ProquestDatabase
4	P.G. Dissertations	15	15
5	Project Reports of UG	1	1

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	5	3

C.Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms	1	
2.	Seminar Halls		1
3.	Demonstration Rooms 30 sq m	1	
4.	Auditorium		1

8.	Students' Laboratories at the Department	:	Nil
9	Research Laboratories at the Department	:	Nil
10.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	:	Models, e-museum for FUGRA
11.	Skill Lab	:	At College block in MGMC&RI
12.	Sharing or Usage of the resources of other Departments	:	CIDRF

D. List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. (Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C)

E. Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	NA
2.	No. of Beds / Dental Chairs (Unit wise & Total of the Dept.)	:	13 operating theater complex
3.	No. of ICU (name; no. of beds in ICUs)	:	1 ICU, 7 beds
4.	No. of Wards belonging to the Department	:	Post anaesthesia recovery care 12
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	• Pain Clinic-twice a week • Vascular Access Clinic-twice a week
6.	No. of OTs (Major / Minor)	:	13 major / 2 minor OTs

7.	No. of Labor Rooms / any other facility	:	NA
8.	Clinical Examination Room / Demo Room	:	Dedicated anaesthesia procedure room
9.	List any other facility / services	:	Gas Man simulation soft ware TEAL – Total Electronic Anaesthesia Library
10.	No. of Out-patient / day for the Dept. OPD (Average)	:	Pre-anaesthesia clinic - 35
11.	No. of In-patient / day for the Dept. IPD (Average)	:	NA
12.	No. of Operation / day (Major) carried out by the Department	:	43- 46
13.	No. of Operation / day (Minor) carried out by the Department	:	125 - 135
14.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	NA

F.Clinical Learning Resources

(Only for Pre & Para Clinical Departments offering Diagnostic Services)

1.	No. of Diagnostic Labs.	:	NA
2.	List of Unique Diagnostic Equipments (Name and No.)	:	NA
3.	List of major diagnostic services	:	NA
4.	Avg. No. of diagnostic tests / day	:	NA

39. List of Doctoral, Post-Doctoral Students and Research Associates:
Two post doctoral fellows will be enrolled every 6 months for FUGRA

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms

C. Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Board of studies were set up for each course post graduate degree (MD) / diploma (DA) and FUGRA involving two experts from outside university and two experts from within the university in the field of anaesthesiology. This board of studies reviewed the entire curriculum and ratify the same every three years and whenever it is necessary.

42. Does the department obtain FEEDBACK from

a.Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, we use the feedback for improvement of standard of teaching. We use the feedback to add new methods of teaching students which are more practical and interactive. PG's and interns undergo ACLS/ BLS training in simulation lab. After the faculty inputs on the teaching learning methods we have now included simulation based teaching on various aspects of anaesthetic management.

b.Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, we use the feedback to improvise our methods of teaching to make the lectures more interesting.

c.Alumni and employers on the programs offered and how does the department utilize the feedback?

We have Anaesthesia Alumni group of the department presently on the social Medias. We are in the process of including the alumni in the departmental web site.

43. List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1.	Dr. Umesh Kumar Athiraman	Northwestern University Feinberg school of Medicine	Faculty fellow	Illinois ,USA
2.	Dr. Mithun Duncan	Bahrain Defence Hospital	Specialist	Bahrain

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Special Lectures	7 (6 GNP)	MEU (college block)		
2.	Workshops / Hands on Training	3			
3.	Special Seminars	3 (ISA Puducherry PG symposium) In house			
4.	Training Programmes	BLS/ACLS courses monthly	Simulation Centre		
5.	CMEs / CDEs	3	14/``/14	Dr Vijaykumar Dr Paul Hertz	Prof Ravishankar
6.	Clinical Meetings	Three times a week	Departmental seminar room		
7.	Conferences	5			
	Total				

2. *List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.*

1. **Dr. Umamaheshwar Rao**
2. **Dr. Sivarajan**

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching (Conventional, Interactive, Blended, Learner Centric, Skill Laboratory, Virtual Laboratory, ICT enabled (Video Conferencing, Webinars, LMS, ERP, or any other, etc.)

Sl.No	For UG	For PG
1.	Case presentation	Case presentation
2.	Seminar	PG symposium
3.	Surgical video demonstration	Journal club
4.	Clinical demonstration	Problem based learning
5.	Case presentation	Clinical demonstration
6.		Video demonstration
7.		Didactic lectures

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Reviewing the feedback forms submitted by the postgraduate students, analyzing them & taking corrective measures accordingly.
- Feedback form on assessment by faculty on postgraduate students' performance at the end of monthly clinical rotation is submitted to the department.
- The postgraduate students undergo case presentations and examinations bimonthly.
- Preliminary (theory & practical) examination before final university examination conducted every year.
- All postgraduate students maintain a log book of clinical work.

47. Highlight the participation of students and faculty in extension activities.

A.Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	No. of Beneficiaries
1.	Circumcision camps in Parangipettai 2014	23.4.14 5.5.2014 6.5.2014 7.5.2014 13.5.2014 14.5.2014	20 cases 28 cases 18 cases 20 cases 27 cases 17 cases
2.	Circumcision camps in Parangipettai 2015	27.4.15 28.4.15 30.4.15 2.5.15 4.5.15 5.5.15	20 cases 25 cases 18 cases 23 cases 27 cases 15 cases
3.	Circumcision camp in MGMCRI 2015	4.5.15 6.5.15	18 cases 18 cases
4.	BLS training in Schools of Pondicherry	2013	750 students
5.	BLS training for Police personnel, Puducherry	2013	

B.Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students

Dr. Parthasarathy. S

1. Life member of Voluntary Blood donors association and is a regular donor.

2. Taken many Eyes from deceased and sent to Madurai as Eye Donation work and received a citation from President A P J Abdul Kalam. Spoken many Public and limited invited faculty meetings on the difficulties and the role of anaesthesiologists and about awareness on diabetes mellitus.

3. Interest: to create a public awareness on the role of anaesthesiologists in Modern Medicine and diabetes knowledge among lay public.

4. Received Dhanvantri award for medical excellence from Hon'ble minister of Panchayati Raj Mr. Manishankar Iyer.

Dr. Hemanth Kumar. V

1. Conducted BLS training for school children and police personnel in Puducherry.

48. Give details of "beyond syllabus scholarly activities" of the department.

- Recent advances/ demos of latest skills/ demos of new equipments; CMEs, DETs, METs, NETs, Clinical meetings SBV-AHEAD / SAF / MEU / DEU / NEU

- Webinars, seminars, workshops, videoconference, on-line lectures.

Dr. Parthasarathy. S

Published five Tamil literature books from 2012 – 2014.

Website – www.painfreepartha.com which has many academic features and has been read by anaesthesiologists worldwide. It has been also used as a guide during MD and DA exams.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by Statutory regulatory bodies –MCI /DCI/ INC.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

1. Dr. T Sivashanmugam, Professor and Head, Dept. of Anaesthesiology has underwent training in ultrasound application in anaesthesiology at Leeds Infirmary, UK, 2012. He has been instrumental in starting **FUGRA** (Fellowship in Ultrasound Guided Regional Anaesthesia). The department is actively involved in introducing recent trends in anaesthesiology, critical care & pain management to the students under his guidance & supervision. This activity involves introduction of new projects involving ultrasound guided nerve blocks, ultrasound guided venous access and other bedside procedures in ICU under ultrasound guidance, like chest tube drain insertion, lung assessment.

2. **AHA accredited BLS, ACLS & PALS courses** are regularly conducted at the Simulation Centre. MGMC&RI Simulation Centre is an AHA accredited centre for the conduct of BLS & ACLS provider and instructor courses. Prof Ravishankar is the ITC Co-ordinator. Dr. Anand Monickam is the Simulator Centre Director & Chief Instructor. Dr. Hemanth Kumar, Dr. Rani, Dr Sameer J, Dr. Kusha Nag, Dr. Sripriya, Dr. Dewan Roshan Singh, Dr. Gayathri Mishra, Dr. Thiruloga Sundary & Dr. Jaya are AHA certified BLS & ACLS instructors.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Faculties with international recognition in anaesthesia and critical care.	Inadequate classroom space	Training and application of USG in anaesthesia and critical care.	Making it a centre of excellence for training faculty in the use of USG for all peripheral nerve blocks.
2.	State of art equipment.	Lack of access to paid journals.	Simulation based training.	Taking the manikin based training of BLS/ACLS to simulation for crisis management during anaesthesia.

3.	1:1 faculty student ratio.	Lack of basic science and animal research.	Target controlled inhalation anaesthesia application.	Development of faculty well versed with web-2 technology.
4.	Internet facility in department.		Regional anaesthesia in pain management.	Developing a database for problem based learning.
5.	ACLS/BLS courses.			Development of critical incident reporting database.
6.	Well equipped RICU headed by anaesthetist.			
7.	Simulation based teaching learning methods.			
8.	Software based data base.			

52. Future Plans of the Department :

- **Academics:** Plan to start fellowship in critical care medicine.
- **TLE Methods:** Develop simulation modules in all aspect of anaesthetic management.
- **Research:** Promote basic science research to expand the current understanding of regional anaesthesia.
- **Extension:** Promote BLS training at the community level like school children and police personal.
- **Infrastructure**: Acquisition of high end US equipment to support 3D and 4D reconstruction of HD images.
- **FDPs –** One faculty has been recruited for FUGRA as a part of faculty development in the specialization.

Propose to start **Diploma course in Critical Care** affiliated to **ISCCM** (Indian Society of Critical Care Medicine)

53.

A.Salient and Unique Features of the Department:

Equipped with the state of art infrastructure and world class minds to deliver inhalational anaesthesia, regional anaesthesia and critical care. Pain Management and Palliative Care Services are integral part of the department as in a unique feature among Institutions in the region.

B.Innovations of the Department:

- Use of GASMAN SIMULATION to teach and promote low flow inhalational anaesthesia using GASMAN.
- FUGRA - Fellowship in ultrasound guided regional anaesthesia (first of its kind in INDIA)
- Modified PICC line – Using conventional short-term central lines for long-term venous access via axillary vein – Axillary vein catheters.
- A useful mnemonic for preanaesthetic assessment (A , B , C , D , E , F , and G2).- Dr Hemanth Kumar
- Improvised device for negative pressure leak test- Dr Hemanth Kumar
- Keeping the epidural hub sterile- Dr Hemanth Kumar.

C.Best Practices:

- Low flow anaesthesia.
- Scavenging the anaesthetic gases to reduce the theater pollution.
- Ultrasound guided central venous access
- Ultrasound guided regional anaesthesia
- Good nutrition practices.
- Pain and Palliative Care

D.Any other point which the department wants to state (not covered above):

Curriculum design and development – Ultrasound guided applications in anaesthesiology has been included in to the post graduate curriculum.

TLE methods – Simulation is an integral part of teaching and learning method.

Certificate courses - Providing 6 months fellowship on ultrasound guided regional anaesthesia.

Graduate attributes – Won the best paper award at the national conference for the two consecutive years 2013, 2014.

Research facility – CIDRF

Equipments and Instrumentation - State of art equipment to deliver inhalational and regional anaesthesia is available in the department.

Anaesthetic machine with target control using biofeedback for closed loop inhalational anaesthesia delivery. Research is ongoing using this machine to analyze anaesthetic requirements in different settings

Research projects: Department produces high quality research projects, that leads to change in anaesthetic practice. Example: Routine use of spinal anaesthesia for laparoscopy, lead to use of PEEP during GA to maintain CO_2 elimination. Work on PEEP lead to balancing PEEP to IAP.

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Department of Psychiatry

1. Name of the Department : Department of Psychiatry

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University*?*

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. Names of Programs Offered *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*
The Department offers the following programmes*:*

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Annual	2002	250	150	4½years
PG Degree	MD (Psychiatry)	Annual	2007	2	4	3 years
PG Diploma	DPM	Annual	2011	1	0	2 years

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
	Clinical Training of Post-Graduate Students (MD/MS & Nursing)	Department of Community Medicine, Department of General Medicine, Department of Dermatology	Nursing students from Kasturba Gandhi Nursing College, SBV BSc Nursing: 01 month Post-Basic BSc: 15 days MSc Psychiatric Nursing: 04 months

	Research Guidance (as Co-Guide)	Pharmacology, Community Medicine, General Medicine, Dermatology, Ophthalmology, Pulmonary Medicine, General Surgery, Obstetrics & Gynecology	Department of Oral Pathology & Microbiology of Indira Gandhi Dental College, SBV

Nature of Involvement:

Clinical Training: Includes clinical case presentation, attending rounds, working cases and discussing relevant issues with faculties. Also presenting topics/ seminars in the relevant areas

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc. Nil

7. Details of Programs discontinued, if any, with reasons. Nil

8. Examination System : Annual

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
Post graduate diploma in Music Therapy (PGDMT)	Department of Music Therapy	-

Nature of Involvement:

Theory lectures for P.G. D.M.T. [3 Lectures (1 hour each) each year.]

10. Number of Teaching posts sanctioned, filled and actual

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	**2**	**2**	**0**	**2**
Associate Professor / Reader	1	0	0	0
Assistant Professor / Lecturers	3	4	1*	5

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	**2**	**2**	**0**	**2**
Subtotal (1)	6	6	1	7
Senior Resident	3	1	1	2
Junior Resident	3 (per year)	3	4	7
Subtotal (2)	6	4	5	9
Grand Total (1+2)	12	10	6	16

*Assistant Professor in Clinical Psychology

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr. Eswaran S	MBBS, DPM, MD (Psychiatry)	Professor	Psychiatry	11	3.5	4	4
2	Dr. Sivaprakash B	MBBS, MD (Psychiatry)	Professor	Psychiatry	16	13	5	12
3	Dr. Sukanto Sarkar	MBBS, DPM, MD (Psychiatry)	Assistant Professor	Psychiatry	7	4	3	4
4	Dr Avudaiappan S	MBBS, MD (Psychiatry)	Assistant Professor	Psychiatry	1.5	1.5	2	0
5	Dr Sashidhara M	MBBS, DPM, MD (Psychiatry)	Assistant Professor	Psychiatry	2.5	<1	0	0
6	Dr Ashwinth Jyothi	MBBS, MD (Psychiatry)	Assistant Professor	Psychiatry	<1	<1	0	0
7	Dr Sunayana Choudhury	MSc, MPhil, PhD(Clinical Psychology)	Assistant Professor, Clinical Psychology	Clinical Psychology	2	2	0	0

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities): NIL***

c. ***Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students:*** **NIL**

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors: **NIL**

13. Percentage of classes taken by temporary faculty – program-wise information: **Nil**

14. Program-wise Teacher Student Ratio

Programme	Teacher Student Ratio
UG	1: 25
PG Degree	3:1
PG Diploma	6:1
Ph.D	NIL
Any other	NIL

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Clinical Psychologist	1	1	0	1
	Social Worker	1	1	0	1
	Nurse	6	4	2	6
Administrative Staff	Attender	1	1	0	1
Total		9	7	2	9

16. Research thrust areas as recognized by major funding agencies and SBV

Psychosomatic Medicine, Consultation Liaison Psychiatry, Substance Use Disorders

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

6 Numbers of Faculty of the department are involved in 13 Number of Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs

University Funded / Sponsored	1	0	1	Yet to receive
Department / Self Funded	5	5	10	-
Total	6	5	11	-

Details of the Projects:

Ongoing Projects:

Sl. No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored
1	• **Determinants of psychiatric morbidity among transgender individuals** (in collaboration with Transgender Clinic, MGMCRI) o Dr. Avudaiappan S, Assistant Professor, Department of Psychiatry, MGMCRI o Dr. Eswaran S, Professor & Head, Department of Psychiatry, MGMCRI o Dr. Sashidhara M, Assistant Professor, Department of Psychiatry, MGMCRI o Mr. Senthil Kumar M, Social Worker, Psychiatry	-	-	One year	Department sponsored
2	• **Consultation-liaison services in a tertiary care hospital in South India** o Dr. Sivaprakash B, Professor, Department of Psychiatry, MGMCRI o Dr. Sukanto Sarkar, Assistant Professor, Department of Psychiatry, MGMCRI o Dr. Abu Backer, Senior Resident, Department of Psychiatry, MGMCRI	-	-	One year	Department sponsored
3	• **A comparative study of safety & efficacy of lorazepam versus baclofen in the treatment of alcohol withdrawal syndrome** o Dr. Sashidhara M, Assistant Professor, Department of Psychiatry, MGMCRI o Dr. Sukanto Sarkar, Assistant Professor, Department of Psychiatry, MGMCRI o Dr. Avudaiappan S, Assistant Professor, Department of Psychiatry, MGMCRI o Dr. Eswaran S, Professor & Head, Department of Psychiatry, MGMCRI	-	-	One year	Department sponsored
4	• **Does active focus of attention to music alleviate patient's anxiety under regional anaesthesia: A randomized controlled study** o Dr. Hemanth Kumar VR, Associate	-	-	One year	Department sponsored

	Professor, Department of Anaesthesiology & Critical care, MGMCRI o Prof. Ravishankar M, Professor & Head, Department of Anaesthesiology & Critical care, MGMCRI o Dr. Sumathy Sundar, Head, Centre for Music Therapy Education and Research, SBV o Dr. Balanehru Subramanium, Head, CIDRF, SBV o Dr. Srinivasan AR, Professor, Department of Biochemistry, MGMCRI o Dr. Sivaprakash B, Professor, Department of Psychiatry, MGMCRI				
5	• **A study of the impact of psychological factors on plasma biomarkers in functional bowel disorders** o Dr. Henri Balraj K, Professor, Department of Physiology, MGMCRI o Dr. Sukanto Sarkar, Assistant Professor, Department of Psychiatry, MGMCRI o Dr. Sivaprakash B, Professor, Department of Psychiatry, MGMCRI o Dr. Ananthakrishnan N, Professor, Department of General Surgery, MGMCRI o Dr. Balanehru Subramanium, Head, CIDRF, SBV o Dr. Robbin Bose, Postgraduate Resident, Department of Psychiatry, MGMCRI	-	Yet to receive	One year	SBV sponsored
6	• **Prevalence of mild cognitive impairment in elderly people attending master health check-up unit of a tertiary care teaching hospital - a cross sectional study** o Dr. Kingshuk Lahon, Professor, Department of Pharmacology, MGMCRI o Dr. Sukanto Sarkar, Assistant Professor, Department of Psychiatry, MGMCRI o Dr. Eswaran s, Professor, Department of Psychiatry, MGMCRI	-	-	One year	Department sponsored

b.Completed Projects:

Sl. No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored
1	• **A novel approach in the detoxification of IV Buprenorphine Dependence - a case series** o Dr. Sukanto Sarkar, Assistant Professor, Department of Psychiatry, MGMCRI o Dr. Eswaran s, Professor, Department of Psychiatry, MGMCRI o Dr. Janet Konthoujam, Postgraduate Resident, Department of Psychiatry, MGMCRI	-	-	06 months	Department sponsored
2	• **Risk factors for the development of alcohol withdrawal delirium: A cross-sectional study** o Dr. Sukanto Sarkar, Assistant Professor, Department of Psychiatry, MGMCRI o Dr. Sunayana Choudhury, Assistant Professor (Clinical Psychology), Department of Psychiatry, MGMCRI	-	-	One year	Department sponsored
3	• **An atypical case of Charles Bonnet Syndrome presenting with visual, auditory and tactile hallucinations** o Dr. Sukanto Sarkar, Assistant Professor, Department of Psychiatry, MGMCRI o Dr. Kirti Nath Jha, Professor, Department of Ophthalmology, MGMCRI o Dr. Eswaran s, Professor, Department of Psychiatry, MGMCRI	-	-	03 months	Department sponsored
4	• **A case of mania induced by acyclovir therapy** o Dr. Sukanto Sarkar, Assistant Professor, Department of Psychiatry, MGMCRI o Dr. Eswaran s, Professor, Department of Psychiatry, MGMCRI	-	-	03 months	Department sponsored
5	• **A case of severe extrapyramidal symptoms with therapeutic dose of aripiprazole** o Dr. Sukanto Sarkar, Assistant Professor, Department of Psychiatry, MGMCRI o Dr Ashwinth Jyothi, Assistant Professor, Department of Psychiatry, MGMCRI	-	-	03 months	Department sponsored

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) :

The Department has no Inter-institutional Collaborative Projects.

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned	For details refer to Qn.Nos
		Ongoing	Completed	Total		
1.	Faculty Projects	6	5	11	-	17
2.	Inter-institutional Collaborative Projects	0	0	0	-	-
3.	Students Projects	-	3	3	Rs.25,000/-	28
	Total	6	8	14	Rs.25,000/-	

20. A.Research facility / Centre available to carry out research :-

Nil

B. Research facility / centre with: (recognised by national and international agencies for providing assistance for research)

. State Recognition / National Recognition / International Recognition

Department of Psychiatry has access to CIDRF, SBV with has State & National recognition

***21. Special research laboratories created / sponsored by Industry or Corporate Bodies / SBV:* Nil**

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	11	9
International Journals	14	9
S.B.V. University Journals	-	5
Total	**25**	**23**

B. Monographs: Total ……01…… Monographs published by ……01…… Faculty.

Sl. No.	Name of the Faculty	Topic of Monograph	Print *or* Online	Year
1	Dr. Sivaprakash B, Professor Dr. Abu Backer S, Senior Resident	Mental health (Language: Tamil)	Print	2012

C. Chapters in Books: Total ……04…… Chapters in books published by …01…… Faculty.

Sl. No.	Name of the Faculty	Name of Chapter	Name of the Book / ISBN No.	Year	Name of Publisher
1	Dr. Sivaprakash B, Professor	Literature search and reference management.	Medical postgraduate dissertations: A step-by-step approach. (Ananthakrishnan N, editor). ISBN 978-93-82521-03-7	2013	United India Periodicals (P) Ltd, New Delhi
2	Dr. Sivaprakash B, Professor	Writing the review of literature for the protocol and the dissertation.	Medical postgraduate dissertations: A step-by-step approach. (Ananthakrishnan N, editor). ISBN 978-93-82521-003-7	2013	United India Periodicals (P) Ltd, New Delhi
3	Dr. Sivaprakash B, Professor	Principles of citing and referencing.	Medical postgraduate dissertations: A step-by-step approach. (Ananthakrishnan N, editor). ISBN 978-93-82521-03-7	2013	United India Periodicals (P) Ltd, New Delhi
4	Dr. Sivaprakash B, Professor	Writing the abstract.	Medical postgraduate dissertations: A step-by-step approach. (Ananthakrishnan N, editor). ISBN 978-93-82521-03-7	2013	United India Periodicals (P) Ltd, New Delhi
5	Sivaprakash B.	A contemporary approach to disorders of thought.	Thirunavukarasu M, Rajkumar R, editors. Schizophrenia today.pp.291-302.	2015	Thirunavukarasu M, Chennai

Medical postgraduate dissertations: A step-by-step approach. (Ananthakrishnan N, editor). New Delhi: United India Periodicals (P) Ltd; 2013. p.16-26.

D.Number of Research articles / publications listed in International Database *(For e.g.*

	2008	2009	2010	2011	2012	2013	2014	2015
No. of Publications in Databases (PubMed)	1	7	3	5	5	2	3	2

All above publications are Pubmed indexed. Publications, Citations and h-index of individual faculty is given below:

Faculty	Publications	Citations	h-index	i-10 index
Dr Sukanto Sarkar	22	144	7	5
Dr Sivaprakash B	18	37	2	2
Dr Eswaran S	5	5	2	0

23. Details of Patents and income generated: Nil

24. Areas of Consultancy and income generated : NIL

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad: NIL

26.Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards		Any other (Specify)	
				N	I	N	I
1	Dr Sukanto Sarkar (Reviewer of The National Medical Journal of India)	-	-	-	-	N (Reviewer)	-
	Total					1	

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended ……85……. no. of FDPs.

  (…08……..International; …28…… National; …49……State/University; …… College).
- On an average, each faculty attends ……2-4… FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	Inter National Level	
1.	Workshops	5	2	0	7
2.	Seminars / Symposia / Conferences (Participation)	15	17	8	40
3.	CMEs/CDEs/MET/DET/Clinical meets (Participation)	20	9	0	29
4.	Special Lectures	9	0	0	9
5.	Any other	0	0	0	9
	TOTAL	**49**	**28**	**8**	**85**

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	0	3	3
3.	No. of PG Dissertations based on Research Work	4	8	12
4.	Any other Projects done by PG Students other than Dissertations (Papers & poster presentations)	1	14	15
	Total	5	25	29

- percentage of students who have taken up in-house projects including Inter-departmental projects :33%

- percentage of students doing projects in collaboration with other universities / Industry / institute : Nil

- **Details of Students STS ICMR Projects**:

Sl.No	Name of the Student	Name of the Guide	Year	Title of the Project	Amount Sanctioned	Outcome in Short
1.	Ayeesha Sithika T	Sivaprakash B	2010	A study of the effects of music on physiological measures in healthy subjects.(ICMR reference ID: 2010-00103)	Rs 5000/-	The extent of reduction in anxiety induced by relaxing music is significantly greater than that produced by quiet rest
2.	Murugavangini Egambaram	Dr. Eswaran S	2014	A study of knowledge and attitude about adolescent depression in higher secondary school students in Puducherry (ICMR reference ID: 2014-04666)	Rs 10,000/-	Mental Health Literacy is low among students of higher secondary schools and this needs to be improved
3.	Haranchal Kaur	Sivaprakash B	2014	A study of the attitude of health care professionals of a tertiary care hospital towards mental illness (ICMR reference ID: 2014-04406)	Rs 10,000/-	There is a significant prevalence of stigma among doctors and nurses with regard to mental illness

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	International Level	Total	State/ University Level	National Level	International Level	Total
1.	Faculty	1	-	-	1	-	2		2
2.	Students UG/PG	1			1	-	-	-	

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1.	Dr. S. Eswaran, Professor	Certificate of appreciation for his services rendered to CARE SOCIETY at Maldives	National	02-01-2001
2.	Dr. S. Eswaran, Professor	Certificate of appreciation for his services at Indira Gandhi Memorial Hospital, Maldives	National	14-07-2006
3.	Dr. Sukanto Sarkar, Assistant Professor	Leelabati Bholanath Award 2008 at the 34th Annual Conference of Indian Psychiatric Society: East Zonal Branch, Bodh Gaya, India	Zonal	October 2008

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

- Dr. Sivaprakash B, chaired a scientific paper presentation session on 07-01-2007, at the 59th Annual National Conference of the Indian Psychiatric Society (ANCIPS) held at Chennai, Tamilnadu, from 04-01-2007 to 07-01-2007.

- Dr. Sivaprakash B, delivered a lecture titled “Brain-body medicine & health outcomes”, at Patient First - An International Conference On Quality Assurance & Patient Safety, organized by Sri Balaji Vidyapeeth University in association with the Royal College of Physicians & Surgeons of Glasgow, at Pondicherry, on 29-11-2012 & 30-11-2012.

30. Seminars / Conferences / Workshops organized and the source of funding (State / National / International) with details of outstanding participants, if any.

Total Organized: …04…Guest Lectures…….
Extract of the data

1. The Department of Psychiatry organized a special guest lecture by Dr. Thirunavukkarasu M, Head of the Department of Psychiatry, Stanley Medical College, Chennai, Tamilnadu, on 10-10-2006. This lecture was titled “Mind, Mental Health and Suicide”.

2. The Department of Psychiatry, organized a lecture on “Culture and mental health” by Dr. Jayanthini V, M.D., D.P.M., Additional Professor of Psychiatry, Madras Medical College, and Head, Child Guidance Clinic, Institute of Child Health, Chennai, Tamilnadu, on 10-10-2007.

3. The Department of Psychiatry organized a special guest lecture by Dr. Kuruvilla K, Emeritus Professor of Psychiatry, PSG Institute of Medical Sciences and Research, Coimbatore, Tamilnadu, on 10-10-2008. This lecture was titled "Mental health: Cinderella in search of a fairy godmother".

4. The Department of Psychiatry organized a special guest lecture Dr. R. Raguram, Head & Professor of Department of Psychiatry, Kempegowda Institute of Medical Sciences, Bangalore, on 10-10-2013. The speaker delivered a lecture titled "Speaking of sadness - Perspectives on depression in the elderly"

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
A	Guest lecture 1: "Mind, Mental Health and Suicide".	10-10-2006	Approx 200	Institute	U	1 (E)
B	Guest lecture 2: "Culture and mental health"	10-10-2007	Approx 150	Institute	U	1 (E)
C	Guest lecture 3: "Mental health: Cinderella in search of a fairy godmother".	10-10-2008	Approx 150	Institute	U	1 (E)
D	Guest lecture 4: "Speaking of sadness - Perspectives on depression in the elderly"	10-10-2013	Approx 200	Institute	U	1 (E)
	Total					

N: National; I: International; U: University; C; College I: Internal; E: External

31. Code of Ethics for Research followed by the Department

i) The Department of Psychiatry follows the Code of ethics for research specified by ICMR'S Ethical Guidelines for Biomedical Research on Human Participants.

ii) All departmental research proposals including dissertation protocols are submitted to the Institutional Ethical Committee for ethical approval.

32. Student Profile program-wise - Students enrolled and performance:

A. **PG Students**

Enrollment : Details taken from the Office

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T

PG Degree / Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36=25=61
	2011-2012	176	162	111	68.5	52=22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75
UG Degree	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+15=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

Performance in University Examinations:

Name of the Course *(Refer to Question no. 4)*	**Number of students completed PG Studies and Pass percentage during the past Five Academic Years**			
PG Degree	2009-2010	2	2	100
	2010-2011	1	1	100
	2011-2012	-	-	-
	2012-2013	1	1	100
	2013-2014	2	2	100
	2014-2015	2	2	100
PG Diploma	2009-2010	-	-	-
	2010-2011	-	-	-
	2011-2012	-	-	-
	2012-2013	1	1	100

	2013-2014	1	1	100	
	2014-2015	1	1	100	

Performance in University examinations conducted by SBV: NA

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		Candidates Appeared	Candidates Passed	Pass %
UG Degree (MBBS)	2009-2010	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

A.PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree	2009-2010	-	-	6	12.5	29	56.8	16	33.3	-	-

(MD / MS)	**2010-2011**	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-
PG Diploma	**2009-2010**	-	-	-	-	6	50	6	50	-	-
	2010-2011	-	-	-	-	6	54.5	5	45.5	-	-
	2011-2012	-	-	-	-	7	63.6	4	36.4	-	-
	2012-2013	-	-	-	-	8	61.5	5	38.5	-	-
	2013-2014	-	-	1	8.3	9	75	2	16.7	-	-
	2014-2015	-	-	-	-	10	83.3	2	16.6	-	-

B.UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of students from within Pondicherry**		**No. and % of students from Outside Pondicherry**				**No. and % of Students from Other Countries (Outside India)**	
				From TN		**Other States**			
UG Degree (MBBS)	**2009-2010**	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.:

35. Student Progression

Student progression	No. & % against enrolled
PG Diploma to PG Degree	1 (33%)
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	a. At SBV:1 b. At other Medical College:4 c. Govt. Service:2
Entrepreneurs / Self Employed / Practitioners from among the Dept. PG / Super speciality students	Self Employed: 3

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
from other Universities within the State(incl TN)	2	2
from Universities from other States	3	3

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

A. Before joining SBV: Clinical Psychologist got her PhD in 2011

B. After joining SBV (2008 – 2015): …Nil

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
1.	No. of Books	371	99
2.	No. of Journals	4	-
3.	No. of e-Journals	Access through Proquest	Access through Proquest
4.	P.G. Dissertations	8	8
5.	Project Reports of UG	-	3
6.	Project Reports of PG	-	12
7.	Project Report of Faculty	-	5

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	5	5

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Demonstration Rooms	1	-
2.	Seminar Hall with ICT facility	1	-

3.	Research Laboratories at the Department	:	Nil
4.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	:	Nil
5.	Skill Lab	:	Details
6.	Sharing or Usage of the resources of other Departments	:	Access to CIDRF and Central Skills Lab

D. List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests.- Nil

E. Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	1
2.	No. of Beds / Dental Chairs (unit wise & Total of the Dept.)	:	40
3.	No. of ICU (name; no. of beds in ICUs)	:	Nil
4.	No. of Wards belonging to the Department	:	2 (Male & Female Psychiatry ward)
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	Details provided in a separate table below
6.	No. of OTs (Major / Minor)	:	Nil
7.	No. of Labor Rooms / any other facility	:	Nil
8.	Clinical Examination Room / Demo Room	:	12 Consulting rooms for Clinical assessment & 01 Demo room
9.	List any other facility / services	:	Electroconvulsive Therapy room:01; Seclusion room:02 (Male:01;Female:01) Recreation room :02(Male:01; Female:01)

10.	No. of Out-patient / day for the Dept. OPD (Average)	:	To be provided by MRD
11.	No. of In-patient / day for the Dept. IPD (Average)	:	To be provided by MRD
12.	No. of Operation / day (Major) carried out by the Department	:	Nil
13.	No. of Operation / day (Minor) carried out by the Department	:	Nil
14.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	To be provided by MRD

Special clinics & services:

S.No	Days	Timings	Name of the clinic
1	Monday	10:00 AM - 12:00 PM	Transgender clinic
2	Monday	2:00 PM - 04:00 PM	Geriatric Psychiatry, including Neuropsychiatry & Memory Disorders clinic for the elderly
3	Tuesday	2:00 PM - 04:00 PM	De-addiction clinic
4	Wednesday	10:00 AM - 12:00 PM	Transgender clinic
5	Wednesday	11:00 AM - 12:00 PM	Community Psychiatry (Outreach mental health clinic in UHC)
6	Wednesday	2:00 PM - 04:00 PM	Psychosomatic Medicine / CLP clinic
7	Thursday	11:00 AM - 12:00 PM	Community Psychiatry (Outreach mental health clinic in RHC)
8	Thursday	2:00 PM - 04:00 PM	Anxiety & mood disorders clinic
9	Friday	9:00 AM - 04:00 PM	Women's mental health & family counselling clinic
10	Saturday	11:00 AM - 01:00 PM	Child & adolescent mental health clinic (Child guidance clinic)
11	Daily	08:30 AM - 04:00 PM	Mental health literacy program
12	Daily	24 hours	Community Psychiatry help-line

F. Clinical Learning Resources –

1. Detailed daily rounds for all inpatients during which clinical issues are dissected out and case related theoretical issues are discussed.

2. Postgraduates are given assignments to refer to further journals and share the newer knowledge next day.
3. In addition interesting patients are taken up for more detailed presentations

39. List of Doctoral, Post-Doctoral Students and Research Associates: **Nil**

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. ***Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms***

C. ***Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are provided in criteria 5***

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Need assessment was done before starting new programs.

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, feedback is obtained from the faculty on UG and PG curriculum as well as the teaching-learning-methods annually, and this feedback is utilized to revise and optimize the curriculum and evaluation of the teaching-learning methods.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- Feedback with regard to the teaching staff is obtained from the UG students at the end of the semester and this feedback is analyzed and conveyed to the relevant faculty in a confidential manner.
- Feedback with regard to curriculum and teaching-learning methods is collected from both UG and PG students at regular intervals. This feedback is analysed during the annual curriculum evaluation meeting of the department, and suitable modifications are then implemented to improve the teaching-learning process.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback is collected from alumni wherever possible immediately on completion of the course. This feedback is analysed during the annual curriculum evaluation meeting of the department and suitable modifications are then implemented to improve the teaching-learning process.

43. List the distinguished alumni of the department (maximum 10)

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1	Dr. John Dinesh	Shri Lakshmi Narayana Medical College	Assistant Professor, Psychiatry	Pondicherry
2	Dr.Samyukta	KIMS	Senior Resident	Bangalore
3	Dr. Aninda	IBHAS	Senior Resident	Delhi
4	Dr.Jawahar Kennedy	Indira Gandhi Govt General Hospital & PGI	Consultant Psychiatrist	Pondicherry

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years :NIL

1.Number of SEPs conducted during the last Five Years 4

2.List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.

04 distinguished people had visited the department

- Dr. Thirunavukkarasu M, Head of the Department of Psychiatry, Stanley Medical College, Chennai, Tamilnadu
- Dr. Jayanthini V, M.D., D.P.M., Professor & Head, Department of Psychiatry, Chettinad Hospital & Research Institute (Former Professor of Psychiatry, Madras Medical College, and Head, Child Guidance Clinic, Institute of Child Health, Chennai), Tamilnadu,
- Dr. Kuruvilla K, Emeritus Professor of Psychiatry, PSG Institute of Medical Sciences and Research, Coimbatore, Tamilnadu
- Dr. R. Raguram, Head & Professor of Department of Psychiatry, Kempegowda Institute of Medical Sciences, Bangalore

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching

Sl. No	For UG	For PG
1.	Power-point based lectures	Clinical teaching, PG lectures by faculty, seminars & group discussions, critical appraisal of research, clinical case conferences.
2.	Clinical training in the OP and IP facilities	Training in research methodology through preparation of dissertation, short-term extramural training in higher centers, participation in CME programmes, conferences and workshops, paper & poster presentations
3.	Supervised Psychiatric workups during Internship	Participation in community mental health activities, additional assessment through written tests and viva-voce.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- The performance of the students during all the teaching-learning and assessment activities is analyzed to check if the learning objectives are fulfilled, and in order to monitor the learning outcomes.
- The Postgraduate students are expected to maintain a Log book to document all teaching-learning activities that they have participated during the training period. This Log book is monitored by departmental faculty and the university on a regular basis.
- Evaluation by consensus & Quick feedback on the performance is offered to PGs.

47. Highlight the participation of students and faculty in extension activities.

A.Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

Date	Venue	Organizer(s)	Description of event	Number of beneficiaries	Participants
19-02-2014	Muna Hospital, Parangipettai, Tamil Nadu	MGMCRI	Mental health screening & consultation for general public	8	Dr. Avudaiappan S, Mr. Senthil Kumar M

20-02-2014	Dhanvanthri Mental Health Institute, Tindivanam, Tamil Nadu	MGMCRI; Dhanvanthri Mental Health Institute, Tindivanam	Consultation for psychiatric patients	20	Dr. Avudaiappan S, Dr. Robbin Bose, Mr. Senthil Kumar M
22-02-2014	Villupuram, Tamil Nadu	MGMCRI	Mental health screening & consultation for general public	8	Dr. Robbin Bose, Mr. Senthil Kumar M
24-02-2014	Bhuvanagiri, Tamil Nadu	MGMCRI; Muna Hospital, Parangipettai	Mental health screening & consultation for general public	6	Dr. Deepu C, Mr. Senthil Kumar M
18-07-2014	Krish Kidzee School, Cuddalore, Tamil Nadu	MGMCRI; Krishnasamy educational group, Cuddalore, Tamil Nadu	Mental health screening & consultation for school children	32	Dr. Avudaiappan S, Mr. Senthil Kumar M
28-07-2014	Krishnasamy School, Cuddalore, Tamil Nadu	MGMCRI; Krishnasamy educational group, Cuddalore, Tamil Nadu	Mental health screening & consultation for school children	40	Dr. Avudaiappan S, Dr. Aneelraj D, Mr. Senthil Kumar M
08-08-2014	Rural health centre, Seliamedu, Puducherry	Department of Psychiatry, MGMCRI	Mental health screening & consultation for general public; Consultation for psychiatric patients	12	Avudaiappan S, Dr. Abu Backer S, Mr. Senthil Kumar M
13-08-2014	Urban health centre, Ariyankuppam Puducherry	Department of Psychiatry, MGMCRI	Mental health screening & consultation for general public; Consultation for psychiatric patients	14	Dr. Sivaprakash B, Dr. Avudaiappan S, Dr. Abu Backer S, Mr. Senthil Kumar M
08-09-2014	PHC, Siruvandhadu, Kandamangalam, Tamil Nadu	Pudhu Vaazhvu Project, Government of	Mental health awareness talk; Consultation for	60	Dr. Abu Backer S, Mr. Senthil Kumar M

		Tamilnadu	psychiatric patients		
19-09-2014	PHC, Kirumampakkam, Tamil Nadu	KGNC	Mental health awareness talk; Screening & consultation for dementia	20	Dr. Abu Backer S
03-12-2014	Jwala Home for the Mentally Challenged, Ariyankuppam Puducherry	MGMCRI; Jwala Home for the Mentally Challenged, Ariyankuppam Puducherry	Consultation for children with intellectual disability	15	Dr. Deepu C, Mr. Senthil Kumar M
29-01-2015	Vallalar HS School, Kandamangalam (Ariyur), Tamil Nadu	MGMCRI; Pudhu Vaazhvu Project, Government of Tamilnadu	Mental health screening & consultation for general public	72	Dr. Avudaiappan S, Mr. Senthil Kumar M

- The Department of Psychiatry has participated in Mental Health awareness programme in All India Radio on 08-10-2013, 23-12-2014,13-06-2014

- Mental Health awareness talks in the regional language have been organized on 10th October every year in commemoration of World Mental Health Day

- In commemoration of "The International Day against Drug Abuse and Illicit Trafficking" on 26th June, the Department of Psychiatry organized a awareness talk on substance use disorders for the benefit of patients and the public in the waiting area of the hospital

- In commemoration of "World Alzheimer's Day" the Department of Psychiatry organized a awareness talk and a screening programme for Dementia at primary Health Centre, Kirumampakkam, Tamil Nadu on 19th September 2014.

48. Give details of "beyond syllabus scholarly activities" of the department.

- Recent advances/ demos of latest skills/ demos of new equipments; CMEs, DETs, METs, NETs, Clinical meetings SBV-AHEAD / SAF / MEU / DEU / NEU

- Webinars, seminars, workshops, videoconference, on-line lectures.

- PGs and Faculties do presentation at SAF regularly. Three of the faculties have

undergone training at Medical Education Technologies.

- The Department of Psychiatry participated in weekly web seminars on opioid use disorders organized by NIMHANS, Bangalore from 22-07-2014 to 19-08-2014

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by Statutory regulatory bodies –MCI /DCI/ INC.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The research publications of the department including PG dissertations, ICMR projects by UG students, supporting other departments in their research activites (we collaborate with many other clinical departments of MGMCRI, Dental College, Nursing college, CIDRF, etc - as clearly evident from our database) add to the existing database of published medical literature.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Adequate qualified faculty members from varied backgrounds	Less Sponsored Research Projects. Less Collaborative Projects	To improve the productivity of our faculties & students.	To deal with the problems of stigma & ignorance about mental health
2.	Psychological tests and tools	Inadequate community programmes like Confidence Building measures in school students	Active participation in School Mental Health. Increase activities of the department towards positive mental health	Low Follow up rates and low family support

3.	Modern, inpatient & OP facilities	More tie-ups with Yoga & Music Therapy Departments in terms of research & Collaborative projects	To incorporate newer methods of treatment like rTMS	To collaborate with public health system in regards to Mental health services like working in collaboration with District Mental Health Programme
4.	Well-equipped ECT facilities	Deficiency of regional language skills with regard to some students and faculties.	To improve counseling & mental health services specially in relation to Life Style Disorders, Preventive Psychiatry	To deal with economic crisis in the patients for long term treatment and investigations
5.	Use of Cloud Computing by the department	Faculties & PGs could be slightly more efficient by broadening their areas of expertise in research	To link MGMCRI to the industrial areas nearby as the chief referral center	Low referrals from other departments in MGMCRI
6.	Good Consultation Liaison Services	Organising CMEs, Conferences & Guest Lectures	To start Tele-Psychiatry services	

***52. Future Plans of the Department* :**

- To establish a computerized database in collaboration with the IT department for the Psychiatry Department. This database will hold clinical data, personnel details, teaching and research activities of the Department of Psychiatry.
- Start rTMS therapy for our patients.
- Start rehabilitation services at the earliest.
- To enhance the participation of our departmental faculty in various research programs conducted at our University.

Clinical Plans

- Enhancement of mental health literacy: To increase awareness of mental illness and to reduce stigma in the society
- Improve the Quality of our clinical services further and serve the needs of the poor section in the community by supporting the training needs of Medical Officers & Interns who are posted in our out-reach programs.
- Collaborate with Pediatric department and improve child Psychiatry services.
- Further improve the Clinical Psychology, Neuropsychology and Cognitive Behavioural Therapy services.
- Enhance collaboration with other departments of the institute such as Music Therapy, Yoga Therapy and Transgender Clinics.
- Strategies to improve the interdepartmental referral system and consultation-liaison services, with special emphasis on enhancing mental health services in critical care, neurology and general medicine
- To consider the feasibility of establishing liaison with GPs in the neighborhood
- Revival of the quarterly departmental clinical bulletin that focuses on psychosomatic medicine, for distribution to various clinical departments
- To consider the feasibility of incorporating telepsychiatry in telemedicine unit of the Institute

Teaching Plans

- To organize CME programs and conferences
- To incorporate contemporary & modern medical education technologies into the UG & PG teaching program
- To enhance exposure of PGs to Evidence-based Psychiatry and Medical informatics
- To improve the implementation of Standard Practice Guidelines

Research Plans

- To increase the research activities of the department at the level of both faculty & students.
- To increase the number of research programs in biological Psychiatry in collaboration with the CIDRF of the Institute.

- To facilitate UG ICMR Projects (STS) in our department.

Miscellaneous Plans

- To increase FDP activities and participation in Scientific and Academic Forum meetings
- To organize Tamil classes for non-Tamilian PGs and Faculties from other states

53.

A. Salient features of the Department

The department uses an organizational chart for clear allocation of responsibilities / portfolios. It also provides:

- Holistic & Culturally appropriate Clinical care for OP & IP patients
- Recreational facilities for inpatients (Television, games & magazines)
- Detailed Psychological assessment & rating of psychopathology
- Extensive Community outreach services
- Student support Services for both UG & PGs
- Financial services to the poor & unaffordable patients

B.Best practices of the Department

Standard Operating Procedure:

The department has developed several standard operating procedures, protocols & checklists to ensure that patient care in the Department of Psychiatry is delivered in an effective, efficient, evidence-based & ethical manner. These standard operating procedures, protocols & checklists serve to reduce the risk of clinical errors & to ensure safe health care delivery in the Department of Psychiatry. The department has developed standard operating procedures for the following clinical services:

- Management of outpatient services
- Management of inpatient services
- Inpatient care meetings & ward rounds
- Security & patient safety / welfare
- Strategies to enhance mental health literacy & destigmatize mental illness
- Psychiatric emergency services
- Rating scales & psychological tests
- Protocol for electroconvulsive therapy

Mental health literacy initiatives

The Department of Psychiatry places strong emphasis on enhancing mental health literacy & reducing stigma, since such strategies are an integral & fundamental component of good mental health service delivery. In this context, the department

has published a mental health awareness booklet in Tamil for the benefit of patients, their family members & the lay public. Mental health awareness posters & leaflets have also been prepared in Tamil, to facilitate wide dissemination of basic knowledge about mental health & mental illness. A special series of bulletins titled "Mind & Medicine" have been disseminated among the various clinical departments of the hospital, with the aim of facilitating referrals to Psychiatry. This series focused exclusively on mental-physical comorbidity, psychosomatic medicine & consultation-liaison psychiatry.

Calendar management

The department routinely uses a web-based / online calendar (Google Calendar) to schedule & manage patient appointments, academic programs & administrative events. Using this calendar to schedule & manage patient appointments is likely to translate into a better experience for our patients. The calendar helps the department to ensure that patients see the same faculty & PG resident during each visit, as far as possible. This results in significantly better patient satisfaction. The calendar also facilitates the viewing & prevention of possible conflicts between the timing of clinical, academic & administrative activities. Overall, using the web-based / online calendar has resulted in better organization & streamlining of all departmental activities, including service delivery.

Task management

The department routinely uses a web-based / online task management service (Teamwork) to assign & monitor clinical, academic & administrative tasks to departmental staff. Software-based task management helps our department manage all aspects of a task, including its status, priority, time, human resources assignments, recurrence, notifications and so on. This method facilitates effective collaboration among members of our department. This strategy helps our staff members with the accomplishment of departmental goals, individually & collectively.

Data management

We use a cloud storage service (Google Drive) as our departmental repository-cum-database. This facilitates easy, uniform & consistent access to all essential documents pertaining to clinical care such as checklists, questionnaires, rating scales, assessment forms, case summaries etc. In addition, the repository is used to store essential academic & administrative documents too.

Eco-friendly communication

The department places special emphasis on eco-friendly professional communication. We rely primarily on email for all professional intra-departmental

communications, such as sharing of knowledge resources, research guidance, and dissemination of the minutes of all official departmental meetings & discussions. We strive to minimize the consumption of paper & avoid printing as far as possible, unless otherwise mandated by the institutional administration.

C.*Innovations of the Department*

- Exclusive Liaison with TG community
- Quarterly Mind & Medicine Bulletin
- Integration of Music & Yoga Therapy
- Integration of Mental Component in master Health Check-up

Dermatology, Venereology & Leprosy

1. ***Name of the Department*** : Dermatology, Venereology & Leprosy

2. ***Year of Establishment*** : 2001

3. ***Is the Department part of a College / Faculty of the University?***
Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. ***Names of Programs Offered***
The Department offers the following programmes:

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Annual	2001	250	150	5.5 yrs
PG Degree	MD DVL	Annual	2007	4	10	3 Yrs
PG Diploma	DDVL	Annual	2007	1	2	2 Yrs

5. ***Interdisciplinary Programs and Departments involved***

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1.	MD DVL	General medicine, Pathology, Microbiology, Community medicine, Psychiatry, Casualty	Chengalpet, CLTRI
2.	D DVL	General medicine, Pathology, Microbiology, Community medicine, Psychiatry, Casualty	Chengalpet, CLTRI

Nature of Involvement:

All post graduates are posted in these departments for a period of 2 weeks during the second year and in Casualty for one month during their first year.

1. To acquire primary knowledge about other specialties in the management of dermatology cases.
2. To develop the histopathology and laboratory skills that aid in the diagnosing of various dermatology conditions.
3. To sensitize to the needs of the society and involve them in extension activities.
4. To acquire knowledge about clinical presentation and rehabilitation of leprosy.
5. To acquire knowledge regarding the management psycho cutaneous disorders.

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

NIL

7. Details of Programs discontinued, if any, with reasons. NIL

8. Examination System : Annual

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
B.Sc	Nursing	KGNC
BDS	Dental	IGIDS
MD	General Medicine	MGMC&RI

Nature of Involvement:

1. Nursing students are acquainted with the common conditions in Dermatology OPD and in assisting of various dermatosurgical procedures.

2. Dental students are familiarized with the various dermatological conditions with oral involvement and their role in managing the same.

3. Conditions requiring an oral biopsy for confirmation of diagnosis are managed by the dental and dermatology department jointly.

4. General Medicine post graduates are posted in OPD to know about the common dermatological conditions that are faced in routine practice and the necessary investigations and treatment for the same.

10. Number of Teaching posts sanctioned, filled and actual

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	3	1	4
Associate Professor / Reader	2	-	-	-
Assistant Professor / Lecturers	3	-	3	3
Subtotal (1)	**6**	**3**	**4**	**7**
Senior Resident	3	3	-	3
Junior Resident	6	3	8	11
Subtotal (2)	9	6	8	14
Grand Total (1+2)	**15**	**9**	**12**	**21**

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance.

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr. S. Krishnan	MDDD	Professor	Dermatology	30yrs	3yrs	3	1
2	Dr. S. Srikanth	MDDVL	Professor	Dermatology	20yrs	9 yrs	4	5
3	Dr. Rajendran	MD(DVL)	Professor	Dermatology	16 yrs	1 year	-	-
4	Dr. Ambujam	MD.DVL.	Professor	Dermatology	16 yrs	8 yrs		6
5	Dr. Abirami. D	MD(DVL)	Assistant Professor	Dermatology	7 yrs	1 year	1	1
6	Dr. Najuk Mehta	MD(DVL)	Assistant Professor	Dermatology	5 yrs	1 year	-	-
7	Dr. Raji	MD(DVL)	Assistant Professor	Dermatology	3 yrs	6 months	-	-

b. Faculty of the Department as Ph.D Guides: (at SBV & other Universities): NIL

c. Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students: NIL

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors: **Nil**

13. Percentage of classes taken by temporary faculty – program-wise information: **Nil**

14. Program-wise Teacher Student Ratio *(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

Programme	Teacher Student Ratio
UG	**1 : 2**
PG Degree	1 : 2
PG Diploma	1:1

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Stenographer	**1**	**1**		**1**
	ICTC Counselor			**1**	**1**
	Technical Assistant	**1**			**-**
	Technician	**3**			**-**
	Record Clerk	**1**			**-**
Administrative Staff	Lab Attender	1	1		1
	Store Keeper	1			-
Total		8	2	1	3

16. Research thrust areas as recognized by major funding agencies and SBV: NIL

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

2 nos of Faculty of the department are involved in 2 Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total
Department / Self Funded	2	-	2
Total	2	-	2

Details of the Projects:

a. Ongoing Projects:

S.No	PI, Co-PI and Project Title	Duration	National / International / SBV/ Department sponsored
1.	Dr. Abirami	1 year	Department sponsored
2.	Dr. Najuk Mehta	1 year	Department sponsored
3.	Dr. S. Krishnan		CIDRF sponsored

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) : **Nil**

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects	
		Ongoing	Total
1.	Faculty Projects	3	3
2.	Students Projects	7	7
	Total	10	10

20. A. Research facility / Centre available to carry out research :-

- In the department**:**

1. Procedure room equipped with instruments and necessary materials to carry out the PRP therapy and other dermatosurgical procedures.
2. Well lit examination rooms to collect clinical data of patients including photographs
3. Dermoscope, PUVA chamber for diagnosis and treatment of various disorders.
4. Side lab for diagnosis of common skin conditions using Gram's stain, ZN stain and Tzanck smear.

- In other departments**:**

1. Blood bank with facility of centrifugation required for separation of platelet rich Plasma.
2. Department of Yoga therapy with able instructors. Patients with chronic diseases are referred for Yoga therapy.
3. Central pathology and microbiology laboratory facilities to help with various investigations to manage patients.

- In other college**:** Nil
- At central level: CIDRF

B. Research facility / centre with: (recognized by national and international agencies for providing assistance for research)

National Recognition: CIDRF

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV: **CIDRF**

22A. Research Publications:

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	12	9
International Journals	-	8
State Journals	1	-
Total	13	17

B. Monographs: NIL
C. Chapters in Books: *NIL*

D. Books edited: NIL

E. Books Published with ISBN with details of publishers: NIL

F.Number of Research articles / publications listed in International Database:

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of Publications in Databases	1	3	3	3	4	3	-
Scopus		1	2	3	2	2	
PubMed		2	3	1	2	1	
Impact factor (Range / Average)	MGMCRI- 3.184						

23. Details of Patents and income generated: Nil

24 . Areas of Consultancy and income generated: Nil

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad

Sl. No.	Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
		National	International		
1	Dr. S. Krishnan	MGMCRI, Pondicherry	-	2007, 2008, 2009	MCI Inspector
		CMC Vellore	-	2011	TN Dr. MGR Medical University- Inspector
		PSG IMSRI, Coimbatore	-	2011	TN Dr. MGR Medical University- Inspector
	Total	4			

26.Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Committees
1	Dr. S.Krishnan	2
2.	Dr. S.Srikanth	2
3.	Dr. Rajendran	2
4.	Dr. Abirami D	2
5.	Dr. Najuk Mehta	1
6.	Dr. Raji	1
7.	Dr. Ambujam	1
	Total	11

Note: Additional Posts held

Dr. Krishnan.S. –

1. Former Dean -Thoothukudi Medical College and Hospital, TN;
2. Dean - Mahatma Gandhi Medical College and Research Institute, Pondicherry.
3. Ph.D Co-Guide

27. Faculty Development and recharging strategies

- Faculty members have attended 2 no. of FDPs.

  (2 International; 5 National; 15 State/University).
- On an average, each faculty attends 2 FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	
1	Workshops	2	-	-	2
2	Seminars / Symposia / Conferences	6	5	2	13
5.	CMEs/CDEs/MET/DET/Clinical meets	7	-	-	7
	TOTAL	15	5	2	22

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed
1.	UG Students STS ICMR	-	-
2.	No. of PG Dissertations based on Research Work	7	10
3.	Any other Projects done by PG Students other than Dissertations	7	-
	Total	14	10

- percentage of students who have taken up in-house projects including Inter-departmental projects : 12(70.6%)

- percentage of students doing projects in collaboration with other universities / Industry / institute :
  Nil

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	International Level	Total	State/ University Level	National Level	International Level	Total
1.	Faculty	-	-	-	-	4	-	-	4
3.	Students UG/PG	1			1	-	-	-	-

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1	Dr.S.Krishnan	Dr.Rajendran-Sivakumar oration- TN Cuticon 2013	State	October 2013
		Sardarilal Memorial Oration-Puducherry Cuticon 2013	State	2013
		Chairperson- Cuticon TN 2014	State	2014
		Chairperson-CCCON 2015	International	2015

30.Seminars / Conferences / Workshops organized and the source of funding. NIL

Total Organized: 6 (College: 6)

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1	Skill based training		5	College	College	
2	CME / Clinical meeting	3		College	College	4-5
3	Any other (Guest lecturers; training/ induction programs)	3		College	College	1
	Total	6				

31. Code of Ethics for Research followed by the Departments :ICMR

***32. Student Profile program-wise - Students enrolled and performance*:**

a. **PG Students ------CENTRAL DATA**

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	**No. of Applications**	**No. of Students appeared for CET**	**Students Passing in CET**	**% of Pass in CET**	**Students Admitted M + F = T**
PG Degree / Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75
UG Degree	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

b.Performance in University Examinations:

Name of the Course *(Refer to Question no. 4)*	Academic Year	Candidates Appeared	Candidates Passed	Pass %
PG Degree	2009-2010	1	1	100
	2010-2011	1	1	100
	2011-2012	1	1	100
	2012-2013	2	2	100
	2013-2014	3	2	66.67
	2014-2015	3	3	100

PG Diploma	2009-2010	1	1	100
	2010-2011	1	1	100
	2011-2012	1	1	100
	2012-2013	1	1	100
	2013-2014	1	1	100
	2014-2015	1	0	-

Performance in University examinations:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Yrs				
	Academic Year		Candidates Appeared	Candidates Passed	Pass %
UG Degree (MBBS)	2009-2010	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

A. PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	2009-2010	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-

	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-
PG Diploma	**2009-2010**	-	-	-	-	6	50	6	50	-	-
	2010-2011	-	-	-	-	6	54.5	5	45.5	-	-
	2011-2012	-	-	-	-	7	63.6	4	36.4	-	-
	2012-2013	-	-	-	-	8	61.5	5	38.5	-	-
	2013-2014	-	-	1	8.3	9	75	2	16.7	-	-
	2014-2015	-	-	-	-	10	83.3	2	16.6	-	-

b. UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of students from within Pondicherry**		**No. and % of students from Outside Pondicherry**			
				From TN		**Other States**	
UG Degree (MBBS)	**2009-2010**	42	28	82	54.7	26	17.3
	2010-2011	42	28	93	62	15	10
	2011-2012	42	28	100	66.7	8	5.3
	2012-2013	42	28	102	68	6	4
	2013-2014	43	28.7	98	65.3	9	6
	2014-2015	48	19.2	190	76	12	4.8

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise*.-NIL*

35.Student Progression

Student progression	No. & % against enrolled
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	**3** -
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	2
Entrepreneurs / Self Employed / Practitioners from among the Dept. PG / Super specialty students	14

36.Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University	**2**	**2**
from other Universities within the State	1	1
from Universities from other States	14	14

37.Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG. NIL

38.Present details of Departmental Infrastructural Facilities with regard to

A. Library :

S. No.	Infrastructural facility for Teaching	Central Library	Department Library
22.	No. of Books	450	141
23.	No. of Journals	8	-
24.	No. of e-Journals/ e books	93	93
25.	P.G. Dissertations	10	10

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	2	2
2.	Central facility	Central data	Central data

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

S.NO.	Area	Exclusive	Common
1.	Class Rooms	-	1
2.	Seminar Halls	1	-
3.	Demonstration Rooms	1	-
4.	Auditorium	-	1
5.	Class rooms with ICT facility	-	1

6	Students' Laboratories at the Department	:	SIDE LAB
7	Research Laboratories at the Department	:	CIDRF
8	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	:	1
9	Sharing or Usage of the resources of other Departments	:	ANATOMY, PATHOLOGY

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. (Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C): NIL

E.Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	2 UNITS
2.	No. of Beds / Dental Chairs (unit wise & Total of the Dept.)	:	60 / 2 UNITS
4.	No. of Wards belonging to the Department	:	2
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	10
8.	Clinical Examination Room / Demo Room	:	1
9.	List any other facility / services	:	SIDE LAB, PROCEDURE ROOM
10.	No. of Out-patient / day for the Dept. OPD (Average)	:	250

11.	No. of In-patient / day for the Dept. IPD (Average)	:	9-10
13.	No. of Operation / day (Minor) carried out by the Department	:	5
14.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	20

F. Clinical Learning Resources
(Only for Pre & Para Clinical Departments offering Diagnostic Services)

1.	No. of Diagnostic Labs.	:	1
2.	List of Unique Diagnostic Equipments (Name and No.)	:	Dermatoscope, Woods lamp, Dark field microscopy
3.	Avg. No. of diagnostic tests / day	:	5-6

39. List of Doctoral, Post-Doctoral Students and Research Associates: NIL

40. A.Number of Post Graduate students getting Financial Assistance from the University.

All the PG students of the Department receive the Stipend from the University as per the norms.

B. *Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms*

C.*Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies.* . -Management provides fee waiver for selected students.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology*.*

YES assessment exercise was done before the development of new program

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- We have weekly assessment meetings with PGs, improvisation is done based on their feedback and their performance during seminars, journal clubs and case presentations.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- Written feedback is taken from UG students and improvisation is done based on it.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

- Feedback is collected from alumini whenever possible and implementation is done after discussion with the current staff, for the benefit of the students.

43. List the distinguished alumni of the department (maximum 10)

Sl. No.	Name of Alumni	Institution	Designation
1	Dr. R. Ramachandran	MGMC&RI	Assistant Professor
2	Dr. Raji	MGMC&RI	Assistant Professor

***44.* Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE yrs**

***1A:* Number of SEPs conducted during the last Five Yrs: 38**

Details are as follows*:-*

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Special Lectures (SAF+ Dept)	30(27+3)		12+3	15(SAF)
2.	Workshops / Hands on Training	1	MGMCRI (ACLS/BLS)		4
3	CMEs / CDEs	3		3	
4	Any Other	1+3 (thesis pst, SAF quiz)	MGMCRI		1
	Total	38		18	20

1B: Number *of SEPs participated during the last Five Years: 54*

Sl. No.	Type of SEP	No. of students who participated in the SEPs			Total
		State / Zonal / University Level	National Level	International Level	
4.	Seminars / Symposia / Conferences	24	17	2	43
5.	CMEs/CDEs/MET/DET/Clinical meets	9	2	-	11
	TOTAL	33	19	2	54

Note:

1. Number of posters presented in conferences : 7
2. Number of papers presented in conferences: 7
3. Awards received in conferences: CUTICON 2015 – BEST PAPER AWARD by Dr. Sandra Mathew

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching (Conventional, Interactive, Blended, Learner Centric, Skill Laboratory, Virtual Laboratory, ICT enabled (Video Conferencing, Webinars, LMS, ERP, or any other, etc.)

Sl. No	For UG	For PG
1.	Small group discussions	Group Discussions
2.	Problem based learning	Long and Short seminar presentations
3.	One to one teaching in OPD and ward	One to one teaching in OPD
4.	Simulated patient management problems	Case presentation in wards
5.	Self Learning assignments and presentations	Simulated patient management problems

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Every seminar and case presentation is evaluated by each faculty member.
- Feedback is given by the faculty to the PGs

47. Highlight the participation of students and faculty in extension activities.

A.Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	No. of Beneficiaries
1.	UHC Posting, Ariyankuppam	Every Tuesday	20-25
2.	RHC Posting, Selaimedu	Every Thursday	10-12

B.Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students *-NIL*

48. Give details of "beyond syllabus scholarly activities" of the department.NIL

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by statutory regulatory bodies –MCI

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research
- New methods of diagnostics.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Strengths:

- Adequate faculty members
- Good OPD layout
- Adequate inpatient facility with side lab, procedural and therapeutic facilities
- Easy referral to other multi-specialty departments
- Rigorous PG teaching programme

Weaknesses:

- Expect more OP and IP turnover
- Marginal research activities.

Opportunities:

- Cosmetic awareness these days in pts gives us an opportunity to implement various cosmetic procedures.
- Generating job opportunities for the transgenders in hospital or public domain.

Challenges:

- To extend community participation via camps and programmes
- To extend community participation via camps and programmes
- No free supply of MDT blister packs for leprosy patients to the institution affects the treatment and compliance

***52. Future Plans of the Department* :**

- Establishing cosmetic and aesthetic centre and procuring lasers for the same.
- Establishing health schemes and rehabilitation of transgenders group.
- Health education about prevention and early management of various common skin ailments especially in outpatients and nearby schools.

53.

A.Salient and Unique Features of the Department-NIL

B.Innovations of the Department -NIL

C.Best Practices-NIL

D.Any other

- New teaching methods like **work to whiteboard**
- Dermato surgical and cosmetic procedures are done on every Tuesdays.
- Red Ribbon club activities of MGMCRI are organized by our department.
- **Transgender clinic:** Conducted on Monday and Wednesday. Counseling regarding safe sexual practices and screened for various STIs. Any other dermatological concerns are addressed and investigations and medicines are issued free of cost.
- Additional Information: A team from CGSACS Chattisgarh visited MGMCRI on 6/6/15 regarding the various activities and treatments available for transgenders.

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Department of Pulmonary Medicine

1. Name of the Department : **Pulmonary Medicine**

2. Year of Establishment : **2001**

3. Is the Department part of a College / Faculty of the University?

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. Names of Programs Offered

The Department offers the following programmes:

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	M.B., B.S.,	Annual	2001	250	150	4 ½ years
PG Degree	M.D., Pulmonary Medicine	Annual	2007	2	2	3 years
PG Diploma	D.T.C.D., (Diploma in TB and Chest Diseases)	Annual	2007	1	1	2years

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1.	PG (Degree and Diploma)	RADIODIAGNOSIS	IRL , PUDUCHERRY
		MICROBIOLOGY	
		MEDICINE	
		CARDIOLOGY	
		EMERGENCY MEDICINE	

Nature of Involvement: **Posted for clinical training and observer ship**

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.: **NIL**

7. Details of Programs discontinued, if any, with reasons. **NIL**

8. Examination System : Annual

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by
B.Sc Nursing	Kasturba Gandhi Nursing College

Nature of Involvement: **Clinical Posting in Outpatient department and Ward**

10. Number of Teaching posts sanctioned, filled and actual

Designation	Sanctioned (as per MCI)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	2	2	0	2
Associate Professor	1	1	-	1
Assistant Professor	4	3	1	4
Subtotal (1)	**7**	**6**	**1**	**7**
Senior Resident	3	2	1	3
Junior Resident	5	4	1	5
Subtotal (2)	**8**	**6**	**2**	**8**
Grand Total (1+2)	15	12	3	15

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr.K.Surendra Menon	M.D.,	Professor & HOD	Asthma & Allergy ; Pulmonary Rehabilitation	30	9	2	8
2	Dr. Pajanivel.R	M.D.,	Professor	Interventional Pulmonology, PFT & Sleep studies	15	10	2	1
3	Dr .Sapta Naga Kumar Y	M.D.,	Associate Professor	Asthma , COPD	6	< 1		
4	Dr. Kesavan V	M.D.,	Assistant Professor	COPD	4	1		
5	Dr. Sangita Jena	M.D.,	Assistant Professor	Asthma , COPD	4	1		
6	Dr. Vimal Raj .R	M.D., D.N.B.,	Assistant Professor	Asthma ,COPD & Sleep disorders	5	1		
7	Dr. Ramanan .R	M.D.,	Assistant Professor	Asthma and Allergy	7	< 1		
8	Dr Vineeth Alexander	M.D.,	Senior Resident	Asthma and COPD	3	< 1		
9	Dr Muhamed Kamaludeen	D.T.C.D.,	Senior Resident	TB and Pulmonary Rehabilitation	2	< 1		
10	Dr. Dileep Daniel R	D.T.C.D.,	Senior Resident	Asthma , ILD , TB	4	< 1		

b. *Faculty of the Department as Ph.D Guides: (at SBV & other Universities): NIL*

c. *Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students: NIL*

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl.NO	Name of the Faculty	Qualifications	Designation and Address	Area of Specialization	Years of Teaching Experience
1	Prof P T James	M.D., D.N.B.,	HOD, Pulmonary Medicine - AIMS Kochi	Interventional Pulmonologist	30

13. Percentage of classes taken by temporary faculty – program-wise information: **Nil**

14. Program-wise Teacher Student Ratio *(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

Programme	Teacher Student Ratio
UG	**1 : 10**
PG Degree	**1 : 1**
PG Diploma	***6.*** **: 1**

15. Number of Academic support staff (Technical) and Administrative staff:

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	TBHV	1	-	1	1
	Clinical Assistant	1	-	1	1
Administrative Staff	Clerk	1	-	1	1
	Staff Nurse	1	-	1	1
Total		4		4	4

16. Research thrust areas as recognized by major funding agencies and SBV

(i) Operational Research (OR) in RNTCP
(ii) COPD co morbidities
(iii) Difficult Asthma
(iv) Complementary therapy in airway diseases

17.Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

3 Faculty members of the department are involved in 3 ongoing Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs
National Funding Agency	-	1	1	0.75 lakhs
University Funded / Sponsored	3	-	3	-
Total	3	1	4	0.75 lakhs

Details of the Projects:

a.Ongoing Projects:

Sl. No	PI, Co-PI and Project Title	Funding Agency	Duration	National / International / SBV/ Department sponsored
1.	Dr.Pajanivel.R; Dr.S.K.Menon; Dr.Roshan Kumar; A study of Knowledge, Attitude & Practice of Inhalation therapy among patients with Obstructive airway disease attending a tertiary care hospital	SBV	One Year	SBV
2.	Dr.Pajanivel.R; Dr.S.K.Menon; Dr.Varunn.M.D; Sonographic evaluation of Diaphragmatic function in COPD	SBV	One Year	SBV
3.	Dr.Pajanivel.R; Dr.Keshavan; Effect of a comprehensive Yoga therapy module on the Pulmonary function and quality of life in patients with Chronic Obstructive Pulmonary Disease (COPD)	SBV	One Year	SBV

b.Completed Projects:

Sl. No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored
1.	Dr.Pajanivel.R Lung function evaluation in glass factory workers in around Puducherry	DSTE	0.75 lakhs	One year	National

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) : **NIL**

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned
		Ongoing	Completed	Total	
1.	**Faculty Projects**	3	1	4	0.75 lakhs
2.	**Students Projects**	0	1	1	10,000
	Total	3	2	5	0.85 akhs

20 A. Research facility / Centre available to carry out research :-

- In the department**: PFT lab , DOTS centre , Bronchoscopy suite**
- In other departments**: Radiology; FNAC;Immunology**
- In other college**: IRL Lab, Puducherry**
- At central level**: CIDRF**

B.Research facility / centre with: (recognised by national and international agencies for providing assistance for research)

National Recognition - CIDRF

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:

CIDRF

22.A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals

Type of Journal	Number of Publications
National Journals	**2**
International Journals	**5**
S.B.V. University Journals	**1**
Total	**8**

***B. Monographs:* ONE-** published by Prof.Dr.Surendra Menon.K & Prof. Dr.Pajanivel.R.

Sl. No.	Name of the Faculty	Topic of Monograph	Print *or* Online	Year
1	Prof.Dr.Surendra Menon.K & Prof. Dr.Pajanivel.R	How to live with COPD (in Tamil)	Print	November 2013

C. Chapters in Books: NIL

D.Books edited: NIL

E.Books Published with ISBN with details of publishers:

One Book in Press; being published by 2 Faculty.

Sl. No.	Name of the Faculty	Name of the Book / ISBN No.	Year and edition	Name and Place of Publisher
1	Prof. Surendra Menon K	Handbook on Clinical Examination in	In Press	JAYPEE

2.	Dr.Pajanivel.R	Respiratory Medicine		

F.Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of Publications in Databases	-	2	1	-	2	1	1
Scopus						0.3	
PubMed		1					
Google Scholar			3				
SJR						0.14	
Impact factor (Range / Average)	-	-	-	-	4.016	0.14	5.349
h-index							
Scopus			1				

23. Details of Patents and income generated: NIL

24. Areas of Consultancy and income generated -

The areas of consultancy are as follows: RNTCP State Task Force and Operational Research Committee.

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad

Sl. No.	Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
		National	International		
1.	Prof. Surendra Menon K	1	-	2013	HODs meet in CRF , Pune
2.	Dr.Pajanivel.R	1	-	2008	CIPLA Lab, Verna.GOA
	Total	2			

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards
				National
1	Dr. Pajanivel R	(i) State RNTCP – OR committee -Chairperson; (ii) NAAC coordinator –	Member of ACCP and ERS	3

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards
				National
		SBV		
2	Dr.Kesavan.V	NABH task force member	-	-
3	Dr.Vimal Raj.R	(i)NAAC task force member (ii) Member of Indian Chest Society	Member of ERS	-
	Total			3

- Dr Pajanivel.R is referee / peer reviewer in
  i. Journal of Pharmacology and Pharmacotherapeutics
  ii. Indian Journal of Tuberculosis
  iii. Lung India

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- All Faculty members have attended 150 FDPs.

  (2 International; 10 National; 30 State / University; 100-110 College).
- On an average, each faculty attends 5 FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	
1.	Orientation Programme	2	-	-	2
2.	Workshops	4	6		10
3.	Seminars / Symposia / Conferences	9	9	1	19
4.	CMEs/CDEs/MET/DET/Clinical meets	9	9	-	18
5.	Any other (presentation / chair)	2	2	1	5
	TOTAL	26	26	2	54

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV

sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	UG Students STS ICMR	0	1	1
2	No. of PG Dissertations based on Research Work	4	8	12
3	Any other Projects done by PG Students other than Dissertations	0	2	2
	Total	4	9	13

- Percentage of students who have taken up in-house projects including Inter-departmental projects: **100%**
- percentage of students doing projects in collaboration with other universities / Industry / institute : **12.5%**
- **Details of Students ICMR-STS Projects**:

Sl.No	Name of the Student	Name of the Guide	Year	Title of the Project	Amount Sanctioned	Outcome in Short
1.	Ms.Srividhya Ravi	Dr.K.Surendra Menon	2012	Interpretation of FEF 25-75% as predictor of chronic airway disease in smokers	Rs.10,000	Completed

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	International Level	Total	State/ University Level	National Level	International Level	Total
1.	Faculty	4	-	-	4	-	1	-	1
2.	Students UG/PG	-	1	-	1	-	-	-	-

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1	Dr.Surendra Menon (Professor and Head)	Internal Oration award	College	2011
2	Dr.Pajanivel.R (Professor)	Best Faculty Commendation award	College	2008
3	Dr.Pajanivel.R (Professor)	'Lieutenant Governor Award for the "Selfless contribution to Health care activities" (2012)' conferred by the All India Jain Society and GOTHI Charitable Trust.	State	2012
4	Dr.Pajanivel.R (Professor)	NAPCON 2013 Talk	National	2013
5	Dr Vimal Raj.R (Assistant Professor)	NAPCON 2013 - Free paper award ; III place	National	2013
6	Dr Roshan Kumar (PG)	NAPCON award 2014	National	2014

30. Seminars / Conferences / Workshops organized and the source of funding

Total Organized: **10**

(International: 0; National: 2; State: 6; University / College: 2).

Extract of the data:-

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Conferences	April 2014	200	Central TB Division	State	2/4
2.	Seminars	-	-	-	-	-
3.	Workshops	2015 PFT Workshop 19,20 Feb 2014 PFT workshop	(12) 2014 (8) 2015	Indian Chest Society	N	2014 (2 / 2) 2015 (4 / 1)
4.	Skill based training	-do-				
5.	CME / Clinical meeting	Quarterly meet 1/YR	50	Puducherry chest society CME	S	1 External /meet
6.	Any other (Guest lecturers; training/ induction programs)	2008 & 2009	300	SBV	U	2 E

N: National; I: International; U: University; C:College ; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments

ICMR ethical guidelines for biomedical research on human participants

32. Student Profile program-wise - Students enrolled and performance:

A. **PG Students**

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree / Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75
UG Degree (M.B.,B.S.,)	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

***Performance in University Examinations*:**

Name of the Course *(Refer to Question no. 4)*	Number of students completed PG Studies and Pass percentage during the past Five Academic Years				
	Academic Year	Candidates Appeared	Candidates Passed	Pass %	Remarks (Gold Medalist, if any)
PG	2009-2010	1	1	100	-

Degree	2010-2011	1	1	100	-
	2011-2012	1	1	100	-
	2012-2013	1	1	100	-
	2013-2014	2	2	100	-
	2014-2015	2	2	100	-
PG Diploma	2009-2010	1	1	100	-
	2010-2011	1	1	100	-
	2011-2012	1	1	100	-
	2012-2013	1	0	0	-
	2013-2014	1	1	100	-
	2014-2015	1	1	100	-

UG Performance in University examinations conducted by SBV:

There is no specific theory or practical examinations for pulmonary medicine subject. The questions of pulmonary medicine are included in general medicine paper and practicals

33. Diversity of Students:

a. PG Students from 2009-2014: student diversity is given in table:

Name of the Course ***(Refer to Question No. 4)***	**Year**	**No. and % of students from other Universities Within Pondicherry**	**No. and % of students from Universities Outside Pondicherry**		**No. and % of Students from Other Countries (Outside India)**
			From TN	**Other States**	
PG Degree	2009-2010	-	1 (100 %)	-	-
	2010-2011	-	1(100 %)		
	2011-2012	-		2(100 %)	
	2012-2013	-	-	1(50 %)	1(50 %)
	2013-2014	-	2(100 %)	-	-
	2014-2015	-	1(50 %)	1(50 %)	-
PG	2009-2010	1(100 %)			

Diploma	2010-2011	1(100 %)			
	2011-2012			1(100 %)	
	2012-2013			1(100 %)	
	2013-2014	-	1(100 %)	-	-
	2014-2015	-	1(100 %)	-	-

b. UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	**Year**	**No. and % of students from within Pondicherry**		**No. and % of students from Outside Pondicherry**			
				From TN		**Other States**	
UG Degree (MBBS)	2009-2010	42	28	82	54.7	26	17.3
	2010-2011	42	28	93	62	15	10
	2011-2012	42	28	100	66.7	8	5.3
	2012-2013	42	28	102	68	6	4
	2013-2014	43	28.7	98	65.3	9	6
	2014-2015	48	19.2	190	76	12	4.8

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise. **NIL**

35. Student Progression:

Student progression	**No. & % against enrolled**
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	a. one b. three
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	a) 1 (10 %) b) 3 (30 %)
Entrepreneurs / Self Employed / Practitioners from among the Dept. PG / Super speciality students	6 (60 %)

36. Diversity of Staff

Percentage of faculty who are graduates	
of the same University	**33%**
from other Universities within the State	**11%**
from Universities from other States	**56%**
from Universities outside the Country	0%

37.Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

A.Before joining SBV **:** 1 **-** Dr. Vimal Raj.R – (D.N.B., Dec 2013)
B.After joining SBV (2008 – 2015) : 1 – Dr.Pajanivel.R
2014 - Certificate in Law and Medicine
2015- FRCP (Glasgow)

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	**Infrastructural facility for Teaching**	**Central Library**	**Department Library**
1.	No. of Books	301	89
2.	No. of Journals	9	9
3.	No. of e-Journals	100	100
4.	P.G. Dissertations	8	8
5.	Project Reports of UG	-	1
6.	Project Reports of PG	-	6

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	3	2
2.	Central facility	150	all

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms	1	2
2.	Seminar Halls	1	
3.	Demonstration Rooms	1	
4.	Auditorium		1
5.	Class rooms with ICT facility		2
6.	Seminar Hall with ICT facility	1	
7.	Auditorium with ICT		1

8.	Students' Laboratories at the Department	:	**1**
9	Research Laboratories at the Department	:	-
10.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	:	**Specimens – 5 charts / diagrams – 10**
11.	Skill Lab	:	**1**
12.	Sharing or Usage of the resources of other Departments	:	CT & MRI, Ultrasound in PACS

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests

- Spirometry - 1
- Fibreoptic Bronchoscope - 2
- DLCO -

E.Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	2
2.	No. of Beds / Dental Chairs (unit wise & Total of the Dept.)	:	60 (30 + 30)

3.	No. of ICU (name; no. of beds in ICUs)	:	ONE ; RICU ; 6
4.	No. of Wards belonging to the Department	:	2 (D4 & F4)
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	3; (i) Asthma Clinic – Once A Week (Wednesday) (ii)COPD & Pulmonary Rehabilitation Clinic – Once A Week (Friday) (iii)Lung Cancer Clinic – Once A Month (2 nd Tuesday)
6	Clinical Examination Room / Demo Room	:	ONE
7.	List any other facility / services	:	RNTCP – DOTS CENTRE
8.	No. of Out-patient / day for the Dept. OPD (Average)	:	140 – 150
9.	No. of In-patient / day for the Dept. IPD (Average)	:	8 – 10
10.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	35 – 40

39. List of Doctoral, Post-Doctoral Students and Research Associates: **NIL**

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- All the PG students of the Department receive the Stipend from the University as per the norms.

B.Interns getting financial assistance:

- *All Interns get assistance of Rs.3, 000/- per month as per norms*

C. Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are as under (common to all Departments).-

- Management Provides Waiver ship Of Fee For Selected Students

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

- Understanding the need for more specialists in the field of Pulmonary Medicine nationally, the University and the department undertook the process of starting PG course in the discipline.
- A curriculum committee was set up involving two experts from outside university and two experts from within the university in the field of Pulmonary Medicine. The committee deliberated on curriculum with reference models from other national level and state level institutions and finalized the syllabus and evaluation pattern of the PG students.

42. Does the department obtain FEEDBACK from

A. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

YES, change and update the curriculum based on feedback

B.Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

YES, change the method of teaching and adopting newer strategies according to changing trends.

To quote an example: students expressed the desire to learn X-rays and watch interventional procedures like bronchoscopy and these have been included as part of clinical postings.

C.Alumni and employers on the programs offered and how does the department utilize the feedback? ----

The alumni give informal feedback after passing out. They have expressed satisfaction about the orientation program conducted at the beginning of their course and also about the resources available. They have expressed that their objectives of joining the institute were fulfilled completely. Overall, they felt that the institution encouraged them to shape up holistically. Critical remarks for the improvement of the department were appreciated and inculcated from the subsequent batches of students.

43. List the distinguished alumni of the department (maximum 10)

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1	Dr Harish	Sree Balaji Medical College	Assistant Professor	Chennai
2	Dr Raghulan	Chettinad Health City	Assistant Professor	Chennai
3	Dr Sandeep Krishna	Mamata Medical College	Assistant Professor	Khammam
4	Dr Bhairawa swamy	Government Hospital , Yanam	Senior resident	Yenem
5	Dr. Jagadeesh kumar	Fortis hospital	Consultant	Bangalore
6	Dr Varghese Louis	Medical trust hospital	Consultant	Kochi
7	Dr Ramanan	MGMCRI	Assistant Professor	Pondicherry
8	Dr Vineeth Alexander	MGMCRI	Senior Resident	Pondicherry
9	Dr Muhamed Kamaludeen	MGMCRI	Senior Resident	Pondicherry

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

1. Number of SEPs conducted during the last Five Years : 100
Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1	Special Lectures- Chest Society invited lectures	Every quarter	Puducherry		
2	Workshops / Hands on Training	April 2014 March 2015	MGMCRI	Mr.Lakshmanan, Senior PFT technician	All faculty
3	Training Programmes	-do-			
4	CMEs / CDEs (Pulmonary Disorders in Pregnancy)	March 2009	MGMCRI	Dr.K.H.Kisku; Dr.Dilip Maurya	Dr.S.K.Men on; Dr.R.P
5	Clinical Meetings	SAF	MGMCRI	-	-
6	Conferences	April 2014	MGMCRI	Dr.Sridhar, Dr.Anjum,Dr.Anil Purty	Mr.Ezumalai ; Dr.KAN
	Value Added Lectures	As part of SAF and MEU	MGMCRI	-	-
	Total	App.100			

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching.

Sl. No	For UG	For PG
1.	Case presentation	Thesis review
2.	Seminar	Seminars
3.	Clinical demonstration	Clinical demonstration
4.	Integrated teaching	Case presentation
5.	Bedside teaching (History taking & clinical examination)	CPCR meet
6.		Journal club

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

a. By obtaining constant feedback from the students and faculty
b. By conducting regular in house meetings and audits for monitoring and improvement of standards

47. Highlight the participation of students and faculty in extension activities.

A. **Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.**

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	No. of Beneficiaries
1.	COPD screening camp for employees of Puducherry Road Transport corporation (PRTC)	November 2013	300
2.	Regular screening camps for Asthma and COPD	Every year to commemorate World Asthma Day in May and World COPD day in November	App.100/year

B.Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students

- World TB Day 2009 - Patient awareness programme
- World COPD day 2013 -Health awareness lecture, published a monograph on 'How to live with COPD (in Tamil) '
- World Asthma Day 2014 - Health awareness lecture
- World COPD day 2014 -Health awareness lecture
- World TB day 2015 - Poster competition

48. Give details of "beyond syllabus scholarly activities" of the department.

- Regular participation in Quarterly Chest Society meetings in the state and other meetings held outside the state.
- Regular participation in case presentation workshops (ERS module)
- Regular participation in national level Quiz programs by the PGs.
- Regular UG participation in Quiz /poster competition on World TB Day
- Participation in the special clinics:
    - Every Wednesday - Asthma clinic
    - Every Friday - COPD & Pulmonary Rehabilitation clinic
    - Every II nd Tuesday - Lung cancer clinic
- Post graduates are the editorial board of the department Quarterly newsletter - *INSPIRE* (Updates in Pulmonary Medicine) : since March 2015

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

- All the programmes are approved and recognised by MCI.
- RNTCP accredited DOTS centre
- ICS accredited and certified annual Spirometry workshop

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research (eg. Research publications, surveys, trials and PG dissertations) and other research inputs /outputs for improving patient care and for post graduate teaching.

- Live bronchoscopy demonstration to the UG students in the endoscopy room
- Students are trained in skills lab on the modules how to do life saving surgeries like tracheostomy under the guidance of ENT department

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

S.No	Strengths	Weaknesses	Opportunities	Challenges
1.	Young dedicated faculty led by experienced HOD	Seasonal variation in inflow of patients	Cooperative and conducive team for undertaking more research	Time management especially by the senior faculty
2.	Good infrastructure; Excellent research facilities in CIDRF, CYTER	Less number of Publications	Well equipped central lab	Lack of awareness on Respiratorydiseases among the public
3.	Benevolent management	Less number of collaborative research projects	Congenial relation with the State TB Cell for collaborative work in the field of Tuberculosis	To keep update vis-a-vis the rapidly changing concepts
4.	Positive relationship with the State government in health programs	Regulations are silent to make Regular posting for interns as compulsory	Scope and Demand for more Pulmonologists in the society.	More extension and awareness activities
5.	Strong UG & PG teaching programme	Infrequent integrated teaching in collaboration with other departments	To establish Thoracoscopy and Sleep lab	Growing competition in the field

52. Future Plans of the Department :

- *Academics: Newer courses (UG,PG,Certificate,others)*
  Starting of DM in Pulmonary Medicine
  Objective Structural Clinical Examination (OSCE) for Undergraduates
- *TLE Methods*
  Work place based assessment for Postgraduate evaluation
- *Research*
  Mainly in the direction of detecting early tuberculosis and lung malignancy
- *Extension*
  Regular camps will be conducted led by a senior faculty and the students who are posted in the department also will have to attend these camps
- *Infrastructure (Physical & Learning Resources)*
  To start endoscopic interventions
  To establish a sleep lab and centre for sleep studies
- *FDPs*
  Faculty will be encouraged to attend more number of FDPs – internally and externally.
- *SDPs*
  For post graduates, classes on statistics by qualified statistician which will help them in their thesis work. Also, research workshops will be conducted regularly

53.

a. Salient and Unique Features of the Department

- The only one medical college department in the region to offer postgraduate programmes in the discipline – both degree and diploma.
- All pulmonary interventional procedures (bronchoscopy, ICD insertion) are carried out
- Conducting regular camps for training and awareness to the concerned population
- Conducting demo classes for students
- Currently the only department in the discipline to be certified by Indian Chest Society for conducting annual training workshop in Spirometry.

b. Innovations of the Department

- Have a department monograph and manual
- Conducting speciality clinics for asthma and allergy
- Conducting pulmonary rehabilitation programme
- Tumour clinic

c. Best Practices

- Chintan Bhaitak – Daily interaction between faculties and postgraduates, in the morning (8:30 am to 9: 30 am) about departmental activities in the past 24 hours (Admissions, Casualty calls, Expert opinions) & learning points in each of these.

- Standard operating protocols are followed
- Special class on radiology
- Obtaining feedback from students in an unbiased manner
- Regular departmental audit
- Department quarterly newsletter
- Regularly inviting senior faculty from outside for training and motivating students and postgraduates

d. Any other point which the department wants to state (not covered above)

- ***Final year postgraduates counseling is given regarding job opportunities and job vacancies in various institutes in India.***

****

Department of Radiodiagnosis

1. Name of the Department : Radiodiagnosis

2. Year of Establishment : 2001

3. Is the Department part of a College / Faculty of the University?

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. Names of Programs Offered *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*

The Department offers the following programmes:

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	** Semester	2003	150 students till2013 250 students students from 2014		41/2 years + 1year Internship
PG Degree	MD	Annual	2008	2/4/6students 2008/2009/2012	18	3yrs
PG Diploma	DMRD	Annual	2008	1	2	2yrs
Any other	Bsc Radiology & Imaging Technology	Annual	2014	6	4	3years + 1yr Internship

- As per earlier guidelines-V sem- Clinics & VII sem- Theory
- As per new guidelines(2014) V sem- Clinics & Theory

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes

1.	MD Radiodiagnosis	Casualty Dept.- 1month posting	NIMHANS, Bengaluru-1month posting. MMM, Chennai-1month posting
2.	DMRD Radiodiagnosis	Casualty Dept.- 1month posting	NIMHANS, Bengaluru-1month posting. MMM, Chennai-1month posting

Nature of Involvement:

Casualty- students learn how to manage critically ill/ and accident patients and provide triage
NIMHANS- Advanced neuroimaging techniques and Interventions
MMM- training in the field of Nuclear medicine & Isotope studies

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

NIL

7. Details of Programs discontinued, if any, with reasons. NIL

8. Examination System : Annual / Semester / Trimester / Choice Based Credit System

Annual

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
Part of MBBS	Faculty of Medicine	
Clinical postings of PG students from:	a.) Dept of ENT b.) Dept of Surgery c.) Dept of Anesthesia	Dept of Oral Medicine & Radiology (IGIDS)
Clinical postings of Bsc. Nursing students from:		Kasturba Gandhi Nursing College
Onsite training for Biomedical Engineering students from:	Biomedical engineering Dept.	Rajiv Gandhi Engineering College

Nature of Involvement:

a.) Short term training- PG students from the Dept. of ENT, Surgery, Anesthesia are posted in this Dept. for clinical training.

b.) Research Guidance- Faculty of the Dept.serve as Coguides for PG Dissertations of other departments.

10. Number of Teaching posts sanctioned, filled and actual

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	1	1	2	3
Associate Professor / Reader	2	1		1
Assistant Professor / Lecturers	2	2		2
Subtotal (1)	5	4	2	6
Demonstrator / Tutor			1	1
Senior Resident	3	10	1	11
Junior Resident		15	5	20
Subtotal (2)	3	25	7	32
Grand Total (1+2)	8	28	9	40

There are 10 Senior Residents, 1 Demonstrator / Tutor and 20 Junior Residents are available in the Department.

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr.A Ramalingam	MD, DMRD	Professor & HOD	Pediatrics imaging	33	3		
2	Dr. Vijaylakshmi	MD, DMRD	Professor	OBG imaging	19	2		
3	Dr. Smrita Swamy	MD, DNB, FRCR	Professor	Chest imaging	13	1	2	-
4	Dr. G Jayaraman	MD, DMRD	Assosc. Prof	Conventional Radiology	06	6	2	3
5	Dr. UdhayaKumar	MD, FRCR,PDCC	Asst. Prof	Cardiovascular Imaging, Interventional Radiology	6	1	coguide-2	
6	Mrs. Kayalvizhi	MSc Medical Physics	Asst. Prof	Physicist	12			
7	Dr. Vinoth Saravanan. M	Diploma	Senior Resident	Radiology	2	2	-	-

8	Dr. Surendranath Singh. C	Diploma	Senior Resident	Radiology	2	2	-	-
9	Dr. Suresh Varupula	Diploma	Senior Resident	Radiology	2	2	-	-
10	Dr. Rajgiv. G.K	Diploma	Senior Resident	Radiology	2	2	-	-
11	Dr. Paari. N	MD	Senior Resident	Radiology	1	1	-	-
12	Dr. Ram Mohan. N.V	MD	Senior Resident	Radiology	1	1	-	-
13	Dr. Sivagnanam. N	MD	Senior Resident	Radiology	1	1	-	-
14	Dr. Lokesh Kumar. T	Diploma	Senior Resident	Radiology	2	2	-	-
15	Dr. Aravind. M	MD	Senior Resident	Radiology	1	1	-	-
16	Dr. Hari Priya. T	MD	Senior Resident	Radiology	1	1	-	-
17	Dr. Pradeepa. P	MD	Senior Resident	Radiology	1	1	-	-

b. Faculty of the Department as Ph.D Guides: (at SBV & other Universities): NIL

c. ***Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students:*** Nil.

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors: nil

13. Percentage of classes taken by temporary faculty – program-wise information

English classes for BSc Radiology- 30 hrs/yr

14. Program-wise Teacher Student Ratio

Programme	Teacher Student Ratio
UG	1 : 18
PG Degree	1 :1
PG Diploma	1 : 1
Ph.D	1 :1
BSc (R & IT)	1:1

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Radiography technicians	8	2	6	8
	CT Technicians		2	3	5
	MRI Technicians		2	1	3
	Dark Room Asst.	4	4		4
Administrative Staff	Stenographer	01		01	
	Computer operator	2		01	
	Store keeper	01		01	
	Record clerk	01		01	
	Receptionist	01		01	
	Staff Nurse	01		02	
	Ultrasound Asst	01		02	
Total		20	10	19	37

16. Research thrust areas as recognized by major funding agencies and SBV
(Based on Research Projects / Dissertation and Publications):

Funding agency- SBV
Research thrust areas-

- Cross sectional Body Imaging by USG/CT/MRI
- Diagnostic & Therupeutic Intervention techniques
- Breast and liver imaging with Elastography

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise--- NIL

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) : NIL

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received. NIL

20. A. Research facility / Centre available to carry out research :-

- In the department (give details of facilities in brief) **:**
  High end USG/ CT/MR scanners
  PACS for Image retrieval
- In other college (give details of facilities used by your department) **:CIDRF**

B. Research facility / centre with: (recognised by national and international agencies for providing assistance for research)
State Recognition / National Recognition / International Recognition -NIL

21. Special research laboratories created / sponsored by Industry or Corporate Bodies / SBV: NIL

22. A. Research Publications: Nil

B. Monographs: NIL

C.Chapters in Books: nil

D.Books edited. NIL

E.Books Published with ISBN with details of publishers:
NIL

F.Number of Research articles / publications listed in International Database

	2013-2014
No. of Publications in Databases	15
Scopus	11
PubMed	9
h-index	Dr. MLPrakash-1

23. Details of Patents and income generated: NIL

24. Areas of Consultancy and income generated NIL

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad
Faculty visit other Universities as Examiners.

26.Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	**Faculty**	**SBV committees**
		NI
1.	Dr. Jayaraman	NABH, NAAC
2.	Mrs.M Kayalvizhi	Member Safety committee, QMS

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

Faculty members of the dept. regularly attend and participate in CME, conferences and workshops, to ensure continuing Professional development.
On an average, each faculty attends 2 FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	Inter National Level	
1.	Workshops	10			10
2.	Seminars / Symposia / Conferences	15	10		25
3.	CMEs/CDEs/MET/DET/Clinical meets	17			17
4.	Special Lectures	15			15
	TOTAL	57	10		67

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	No. of PG Dissertations based on Research Work	12	20	32

Percentage Of Students Who Have Taken Up In-House Projects Including Inter-Departmental Projects: 100%PG Dissertations From Dept. Of OBG, Orthopedics, Surgery, Gen. Medicine, Anatomy

Percentage of students doing projects in collaboration with other universities / Industry / institute: NIL

Details of Students STS ICMR Projects: NIL

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at			
		State/ University Level	National Level	Inter national Level	Total
1.	Faculty		1		

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1.	Mrs. M Kayalvizhi	Meritorius Medical Physicist	Association of Medical Physicists of India (AMPI)	Nov 2011

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

30. Seminars / Conferences / Workshops organized and the source of funding

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Workshops	19/01/2014	32	Self	C	I-1 E-1
2.	Skill based training	April 2015(CT)	4	self	C	E-1
		May 2015(MRI)	3	self	C	E-1

N: National; I: International; U: University; C: College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments

All departmental research proposals including Dissertation protocols are submitted to the Institutional Ethical Committee for approval.

32. Student Profile program-wise - Students enrolled and performance:

a. PG Students

Enrollment

Name of the Course (Refer to Question no. 4)	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree / Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36 +25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75
UG Degree	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

***b.Performance in University Examinations*:**

Name of the Course	Number of students completed PG Studies and Pass percentage during the past Five Academic Years

(Refer to Question no. 4)	Academic Year	Candidates Appeared	Candidates Passed	Pass %	Remarks (Gold Medalist, if any)
PG Degree	2009-2010			-	
	2010-2011	2	2	100	
	2011-2012	2	2	100	
	2012-2013	4	4	100	
	2013-2014	4	4	100	
	2014-2015	4	4	100	
	2010-2011	1	1	100	
	2011-2012			100	
	2012-2013			100	
	2013-2014			100	
	2014-2015			100	

Performance in University examinations conducted by SBV:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		Candidates Appeared	Candidates Passed	Pass %
UG Degree (MBBS)	2009-2010	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68

	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

a. PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG Degree (MD / MS)	2009-2010	-	-	6	12.5	29	56.8	16	33.3	-	-
	2010-2011	-	-	7	14	28	56	15	30	-	-
	2011-2012	-	-	8	12.5	28	43.8	28	43.8	-	-
	2012-2013	-	-	7	9.6	36	49.3	30	41.1	-	-
	2013-2014	-	-	7	10.8	32	49.2	26	40	-	-
	2014-2015	-	-	5	7.8	30	46.9	28	44.4	-	-
PG Diploma	2009-2010	-	-	-	-	6	50	6	50	-	-
	2010-2011	-	-	-	-	6	54.5	5	45.5	-	-
	2011-2012	-	-	-	-	7	63.6	4	36.4	-	-
	2012-2013	-	-	-	-	8	61.5	5	38.5	-	-
	2013-2014	-	-	1	8.3	9	75	2	16.7	-	-
	2014-2015	-	-	-	-	10	83.3	2	16.6	-	-

b.UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of students from within Pondicherry		No. and % of students from Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
				From TN		Other States			
UG Degree (MBBS)	2009-2010	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise*. – Nil*

35. Student Progression

Student progression	No. & % against enrolled
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	3
PG to Superspeciality - DM / M Ch in the Subject of the Department a.SBV to SBV b.SBV to Other Institutions	NA
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	7

36. Diversity of Staff

Percentage of faculty who are graduates	*UGs*	*PGs*
of the same University	*Nil*	*11*
from other Universities within the State	*65*	*59*
from Universities from other States	*35*	*24*
from Universities outside the Country	*nil*	*5*

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

A. Before joining SBV: …FRCR-……2……..
B. After joining SBV (2008 – 2015): ……1…-……...

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
1.	No. of Books	473	131
2.	No. of Journals	5	
3.	No. of e-Journals/ e-books	2500/	6/570

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	15	13
2.	Central facility	PACS server	2

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Seminar Halls	1	
2.	Demonstration Rooms	1	

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. NIL

E. Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	NA
2.	No. of Beds (Total of the Dept.)	:	4 in Female ward & 6 in Male ward

3.	No. of ICU (name; no. of beds in ICUs)	:	NA
4.	No. of Wards belonging to the Department	:	NA
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	FNAC clinic - Twice/wk
6.	No. of OTs (Major / Minor)	:	NA
7.	No. of Labor Rooms / any other facility	:	‘’
8.	Clinical Examination Room / Demo Room	:	‘’
9.	List any other facility / services	:	PACS, Radiology Museum
10.	No. of Out-patient / day for the Dept. OPD (Average)	:	‘’
11.	No. of In-patient / day for the Dept. IPD (Average)	:	‘’
12.	No. of Operation / day (Major) carried out by the Department	:	‘’
13.	No. of Operation / day (Minor) carried out by the Department	:	‘’
14.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	USG- 1200/mth CT- 360/month MRI- 170/month

39. List of Doctoral, Post-Doctoral Students and Research Associates:

From	Doctoral Student
Host Institution / University	1
Total	1

40. A.Number of Post Graduate students getting Financial Assistance from the University. NIL

All the PG students of the Department receive the Stipend from the University as per the norms.

B. Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms

C. Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are in criteria 5

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

YES, based on a comprehensive feedback, need assessment is done through multiple group discussions/ intradepartmental meetings/ curriculum committee and Academic council

meeting. These recommendations are discussed with External experts and put forward in the Board of Studies for development of appropriate curriculum.

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, feedback is obtained

b. *Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?*

Feedback with regard to the teaching staff is obtained from the UG students at the end of the Semester and this feedback is analysed and conveyed to the relevant faculty in a confidential manner.

Feedback with regard to curriculum and teaching-learning methods is collected from PG students every week and this feed back is analysed during the annual curriculum evaluation meeting of the Department and suitable modifications are then implemented to improve the teaching-learning process.

Eg. students wanted more classes on Radiological anatomy and this was incorporated in the daily teaching schedule.

c. *Alumni and employers on the programs offered and how does the department utilize the feedback?*

Feedback is collected from the Alumni, wherever possible immediately on completion of the course. This feedback is analysed during the Annual curriculum evaluation meeting of the Dept. and suitable modifications are then implemented to improve the teaching-learning process.

43. List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1	Dr.Murali Krishna	Apollo, Chennai	Consultant	Chennai
2	Dr.Arun Kumar	Aarthi Scans	Consultant	Chennai
3	Dr. Rathna Vasanthan	AVMC	Asst. Prof	Puducherry
4	Dr. Anitha	KIMS	Asst. Prof	Bengaluru

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1	Workshops / Hands on Training	19/01/14	Dept. of Radiology	Dr.Karthikeyan (SRM)	Dr. M L Prakash
2	CMEs / CDEs -SAF	Presentations at SAF by PGs			
3	Clinical Meetings	CPC/ Tumor Board/ Interdepartmental meets			

List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College. *NIL*

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching

Sl. No	For UG	For PG
1.	Ppt. based lectures	Seminars, Film reading, Case discussion
2.	Clinical training	Sign & Syndrome of the week
3.	Horizontal & vertical Integrated training	Journal club

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The faculty prepares Student assessment forms every quarter.
Student logbooks are evaluated every month.

47. Highlight the participation of students and faculty in extension activities.

a. Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc. *NIL*

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date
1.	Medical camp at Karaikal	May2013
2.	"	June 2014
3.	Employees annual Health check	July 2015

48. Give details of "beyond syllabus scholarly activities" of the department.

Nil

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by Statutory regulatory bodies –MCI & AERB

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Training of X-ray technologists in emergency Head CT protocols
- Training of CT technicians in new use of high end reformation software and packages eg Denta scan
- Training of MR technologists in additional protocols

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	High end diagnostic equipment	Low research output	Good case variety	To improve imaging services- Quality & Quantity
2.	Easy access to Images & reports with PACS	Lack of HIS linkage	Clinical society meets/ SAF	To conduct more CMEs
3.	Qualified faculty			Expansion of Dept with installation of new equipment
4.	Hands on training in Intervention techniques			

***52. Future Plans of the Department* :**

Infrastructure:

- To introduce comprehensive clincal packages like - Stroke imaging/ Cardiac imaging/ Functional MRI/ Breast imaging.
- To develop Interventional radiology as an Independant dept, which can offer Fellowship programmes.
- To upgrade MR to 16 channel with additional dedicated coils

Teaching plans:

- To conduct more Interdepartmental rounds
- To incorporate modern & contemporary medical education technologies in UG & PG curriculum.

Research Plans:

- To increase the Research activities of the Dept. at the level of both

- Faculty & students.
- To improve participation in SAF
- To increase Publication output from the dept.

53.

A.Salient and Unique Features of the Department

- Leading private Medical college in Puducherry with facilities for interventional Radiology techniques like RF ablation/ TACE and other vascular interventions.
- First medical college in Puducherry to have 128 slice CT
- One of the few Radiology dept.s with Facilites like Elastography & 4D Ultrasound.

****

Department of Orthopaedic Surgery

1. Name of the Department : ORTHOPAEDIC SURGERY

2. Year of Establishment : JUNE 2001

3. Is the Department part of a College / Faculty of the University*?*

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. Names of Programs Offered

The Department offers the following programmes*:*

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
UG	MBBS	Along with general surgery (annual)	June 2001	100/250	850	4 ½ years
PG Degree	M.S ORTHO	Annual	May 2007	3	1-9	3 years
PG Diploma	D ORTHO	Annual	May 2007	2	1-4	2 years

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1	Specialty postings	Plastic surgery	Pediatric orthopedics
2	Speciality postings	Emergency medical services	Prosthetics and Rehabilitation
3	Speciality postings		IGIDS

Nature of Involvement:

1. Final year P.G are posted in rotational basis in dept. of plastic surgery in and outside our

institute for a period of 15 days for hands on training in minor reconstructive surgeries.

2. First year P.G's are posted in rotational basis in EMS for a period of 1 month in our institute.

3. MD'S pg's are posted in ortho dept. for a period of 15 days.

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

Nil

7. Details of Programs discontinued, if any, with reasons.

Nil

8. Examination System : Annual / Semester / Trimester / Choice Based Credit System

Annual

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
B.sc nursing	NURSING	KGNC
MDS	DENTAL(OMFS)	IGIDS

Nature of Involvement:

We take lecture classes for nursing students as and when requested.

We provide and over view of how to manage a patient with polytrauma with maxilofascial injuries to MDS p.g's

9. Number of Teaching posts sanctioned, filled and actual

(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total

Professor	**1**	6	-	6
Associate Professor / Reader	4	2	-	2
Assistant Professor / Lecturers	5	7	-	7
Subtotal (1)	10	15	-	15
Demonstrator / Tutor		-	-	-
Senior Resident	8	2	-	2
Junior Resident	15	13	-	13
Subtotal (2)	23	15	-	15
Grand Total (1+2)	33	30	-	30

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr.R. krishna Gopal	MS ORTHO	Professor	Arthroscopy	17	14	3	3
2	Dr.K.R.Thyaga Rajan	MS ORTHO	Professor	Trauma	28	13	1	5
3	Prof. Rajamani	MS ORTHO	Professor	Spine	40	1		
4	Dr.Nanda Kumar. R	MS ORTHO	Professor	Padiatric orthopaedics	13	5	3	2

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
5	Dr.Ravichandran.S	MS ORTHO	Professor	Arthroplasty	13	10	1	
6	Dr.Chandra sekaran.M	MS ORTHO	Professor	Spine	11	3		
7	Dr.R.Surendher kumar	MS ORTHO	Asso. Prof	Arthroplasty	10	7		
8	Dr.Vineet Thomas	MS ORTHO	Asso. Prof	Arthroscopy	10	3		
9	Dr.Ashish kumar Jose	MS ORTHO	Asst. Prof.		7	4		
10	Dr.Sandeep.MMR	MS ORTHO	Asst. Prof.		5	2		
11	Dr.Dhiyanesh.K	MS ORTHO	Asst. Prof.		5	2		
12	Dr.Suresh Kumar.T	MS ORTHO	Asst. Prof.		5	2		
13	Dr.Ravi Kumar.N	MS ORTHO	Asst. Prof.		4	1		
14	Dr.Gokul Aanand	D.ORTHO DNB	Asst. Prof.		8	1		
15	Dr.Swagat Mahapathra	MS ORTHO	Senior Resident			<1		

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities):***

Nil

c. *Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students:*

Nil

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Nil

13. Percentage of classes taken by temporary faculty – program-wise information: **Nil**

14. Program-wise Teacher Student Ratio

Programme	Teacher Student Ratio
UG	**1: 10**
PG Degree	1 : 1
PG Diploma	1 : 1

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Pop technician		1	-	1
	C arm tech.		1	-	1
Administrative Staff	Clerk		1	-	1
	Opd staff		-	1	1
Total			3	1	4

16. Research thrust areas as recognized by major funding agencies and SBV

Bone Marrow Cell Concentrate Usage In Orthopaedics.

17. Number of faculty with Ongoing and Completed Projects from a) National b)

International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

5 Numbers of Faculty of the department are involved in 5 Number of Research Projects.

Sl.No	PI, Co-PI and Project Title	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored
1	Title: Accelerated fracture healing in head injury patients . PI Dr. Ravi kumar CO-PI : Dr.krishnagopal	*	2 YEARS	SBV
2	Estimation of Homocysteine levels to detect Osteoporosis (patients with osteoporosis) PI Dr.Ashish CO-PI : Dr.Ravichandran	*	2 YEARS	SBV
3	Bone marrow cell concentrated injection in long bone fracture non union. PI Dr. Sandeep CO-PI : Dr.Ravichandran	*	2 YEARS	SBV
4	Bone marrow cell concentrated injection in posterio- lateral fusion of lumbar spine. PI Dr. Dhiyanesh CO-PI Dr. Chandrasekar	*	2 YEARS	SBV
5	Genetic markers for osteoarthrosis.(Dr. Gokul) : Dr.krishnagopal	*	2 YEARS	SBV

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds Received in Lakhs
University Funded / Sponsored	5	-	5	0
Total	5	-	5	0

Details of the Projects:

a. Proposed Project (awaiting ethical clearance):

*** - all clinical materials and facilities are used from SBV university**

b. Completed Projects: NIL

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) :

Nil

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned
		Ongoing	Completed	Total	
1.	Faculty Projects	5	-	5	NIL
	Total	5		5	NIL

20. A. Research facility / Centre available to carry out research :-

- In the department (give details of facilities in brief) **: arthroscope , C- arm**
- In other departments (give details of facilities used by your department) **:radiology – MRI, CT , USG , Xray; PATHOLOGY , MICROBIOLOGY, BIOCHEMISTRY**
- In other college (give details of facilities used by your department) **: Nil**
- At central level (give details of facilities used by your department) **:** CIDRF

B. Research facility / centre with: (recognised by national and international agencies for providing assistance for research)

CIDRF , SIRO , DSRO

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:

CIDRF

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	2	17
Total	**2**	**17**

B. Monographs: ***Nil***

C. Chapters in Books: Nil

D. Books edited: Nil

E. Books Published with ISBN with details of publishers: Nil

F. Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of Publications in Databases	-	*1*	-	-	*1*	*5*	*10*
Citation Index – Range / Average	-	-	-	-	*3*	-	-
Scopus	-	-	-	-	*1*	*5*	-
PubMed	-	-	*1*		*1*	*5*	*1*
Google Scholar		*1*	-	-	*1*	*5*	*10*
Impact factor (Range / Average)	-	-	-	-	-	-	*3*

23. Details of Patents and income generated: Nil

24. Areas of Consultancy and income generated

a.The areas of consultancy are as follows: arthroscopy, arthroplasty

b.The faculty of the department offer paid consultancy in the following areas: NIL

c.The faculty of the department offer honorary / reciprocator consultancy in the following areas: arthroscopy – Dr.Krishnagopal - bioskills lab - SRMC, Dr.Ravichandran dupeuy basic arthroplasty training program- Pondy

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad

Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
	National	Inter National		
Prof.R. Krishnagopal	SRMC, Chennai	-	2015 April	Teaching faculty - Cadaveric workshop on basic Knee arthroscopy at SRMC
Prof.R.Nandakumar	-	UCSD, Sandiego,Trauma care,USA	2012	One day Observation
Prof.S.Ravichandran	-	Dundee	2015	Dundee university Visit
Prof.S.Ravichandran	-	Royal College, London	2015	
Total	**4**			

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Committees
1	Prof . k.R. Thyagarajan-	President OASIS-2014
2	Prof Krishnagopal	Executive member oasis 2012-13
3	Dr. ashish	Treasurer –POA 2015
4	Dr. surendhar	Treasurer –POA 2014
5	Dr. surendhar	Executive member POA
6	Dr. dhiyanesh	Joint secretary SAF
7	Prof . Ravichandran	Executive member oasis 2012-13

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended ……**571**……. no. of FDPs.
  (…**13**……..International; …**50**… National; ……**508**…State/University/College).
- On an average, each faculty attends ……7…… FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	Inter National Level	
1.	Orientation Programme	9	-	-	9
2.	Refresher programme	-	-	-	-
3.	Workshops	14	-	-	14
4.	Seminars / Symposia / Conferences	58	45	4	107
5.	CMEs/CDEs/MET/DET/ Clinical meets	174	2	1	177
6.	Special Lectures	82	-	-	82
7.	Any other	182	-	-	182
	TOTAL	**519**	**47**	**5**	**571**

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	No. of PG Dissertations based on Research Work	**6**	**15**	**21**
	Total	**6**	**15**	**21**

- Percentage of students who have taken up in-house projects including Inter-departmental projects : 100 %
- Percentage of students doing projects in collaboration with other universities / Industry /

institute : Nil

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	Inter National Level	Total	State/ University Level	National Level	Inter National Level	Total
1.	Prof . Krishnagopal							1	1
2.	Prof . K.R. Thyagarajan	1	-	-	-	-	-	-	1

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
33.	Prof.R. Krishnagopal	Hon. FRCS	Royal college of surgeons & Physicians. Glascow	March 2012
34.	Prof . K.R. Thyagarajan	Internal oration award	SBV	Feb 2012

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

Faculty awards:Prof.R.Krishnagopal

1. Guest lecturers delivered: arthroscopy –a modern art at avmc Pondicherry september2005.

2. Knee arthroscopy- at Vmmc karaikal july2008

3. Recent trends in osteoporosis management-at Mgmc

Pondicherry february2010

4. Faculty Arthro Chennai 2013(moderator for live demonstration of surgeries),
5. Faculty Arthro Chennai 2014 (lecture on acl anatomy and biomechanics)
6. Video demonstration of endoscopic decompression of retrocalcaneal bursitis and ankle arthroscopy-
7. Management of OCD by PRP at foot and ankle conclave Held at Pondicherry on 06.03.2015
8. Patellar instability at IAS-connect held at Madurai on 31.05.2015
9. Faculty at first and second cadaveric workshop of tamilnadu arthroscopic society Held in SRMC, chennai **(08:02:2015) & (10th and 11thapril 2015)**
10. Faculty Arthro Chennai August 7 & 8, 2015.

30. Seminars / Conferences / Workshops organized and the source of funding (State / National / International) with details of outstanding participants, if any.

Total Organized: National: …2….; State: …1….; University: …1….;

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Conferences POACON	Nov- 2011	112	POA	Regional	12/05
2.	Conferences OASISCON	August 2008	530	OASIS	South Zone	32/09
3.	Conferences OASISCON	August 2013	845	OASIS	South Zone	34/08

4.	Golden Hour in Trauma CME	20th March 2015	230	Institute	Regional	15/3
5.	Webinar-live surgery and discussion on TKR	06-06-2015	27	DePuy / Institute	National	10
	Total		**1744**			

N: National; I: International; U: University; C: College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments: ICMR

***32. Student Profile program-wise - Students enrolled and performance*:**

A. PG Students

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	**No. of Applications**	**No. of Students appeared for CET**	**Students Passing in CET**	**% of Pass in CET**	**Students Admitted M + F = T**
PG Degree / Diploma	2009-2010	110	101	63	62.4	41+22=63
	2010-2011	213	183	61	33.3	36+25=61
	2011-2012	176	162	111	68.5	52+22=74
	2012-2013	145	132	115	87.1	49+35=84
	2013-2014	200	179	81	45.3	50+28=78
	2014-2015	250	194	78	40.2	45+30=75
UG Degree	2009-2010	830	538	264	49.07	55+59=114 21+15=36
	2010-2011	978	636	264	41.5	61+53=114 20+16=36
	2011-2012	1028	628	264	42.03	60+54=114 12+24=36
	2012-2013	1372	984	752	76.42	59+56=115 15+20=35
	2013-2014	1479	991	700	71	62+51=113 16+21=37
	2014-2015	1094	790	363	46	120+94=214 11+25=36

B.Performance in University Examinations:

Name of the Course *(Refer to Question no. 4)*	Number of students completed PG Studies and Pass percentage during the past Five Academic Years				
	Academic Year	**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
PG Degree	2009-2010	1	1	100	
	2010-2011	2	2	100	
	2011-2012	3	2	70	
	2012-2013	4	4	100	
	2013-2014	2	1	50	
	2014-2015	3	3	100	
PG Diploma	2009-2010	2	2	100	
	2010-2011	2	2	100	
	2011-2012	2	2	100	
	2012-2013	2	1	50	
	2013-2014	2	0	0	
	2014-2015	1	1	100	

Performance in University examinations conducted by SBV:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**
UG Degree (MBBS)	**2009-2010**	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of students from within Pondicherry		No. and % of students from Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
				From TN		Other States			
UG Degree (MBBS)	2009-2010	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise. *- Nil*

35. Student Progression

Student progression	No. & % against enrolled
UG to PG in Subject of the Department a.SBV to SBV b.SBV to Other Institutions	**0** **20**
Employed PG and Super Specialty Students of the Department at a) SBV b) at other Colleges & Universities	0 3

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University	**1**	**0**
from other Universities within the State	1	1
from Universities from other States	16	17
from Universities outside the Country	0	0

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

J. Before joining SBV: ……2……..

K. After joining SBV (2008 – 2015): ……2……...

A- Dr. Gokul Anand – M.ch , D.N.B

A -Dr. Suresh Kumar – M.ch

B – Prof.R.Krishnagopal – FRCS (Glasgow) 2012 March

B - Dr.Harish Kumar DNB

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sl. No.	Infrastructural facility for Teaching	Central Library	Department Library
26.	No. of Books	600	90
27.	No. of Journals	2	6
28.	P.G. Dissertations	15	15

B. ***Computer and Internet facilities for staff and students available at Department***

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	4	4

2.	Central facility	150	150

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms	-	6
2.	Seminar Halls	1	-
3.	Demonstration Rooms	2	-
4.	Auditorium	-	1
5.	Class rooms with ICT facility	-	6
6.	Seminar Hall with ICT facility	1	-
7.	Auditorium with ICT	-	1

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. (Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C)

S.NO	INSTRUMENTS	NO.	COMPANY
1	C-ARM	2	
2	Power drill	3	MDE -2 , Stryker -1
3	Ortho ot table	2	
4	Arthroscopy scope		Stryker
5	Light source		Stryker
6	Arthroscopy shaver	1	Stryker
7	Trauma set	1 each	
8	ACL set	1	Concept orthopedics
9	PCL SET	1	Concept orthopedics
10	SPINE IMSTRUMENTATION SET	1	

E.Clinical Teaching – Learning Resources (only for Clinical Department)

F. Clinical Learning Resources

(Only for Pre & Para Clinical Departments offering Diagnostic Services)

S.NO	INSTRUMENTS	NO.	COMPANY
1	C-ARM	2	
2	Power drill	3	MDE -2 , Stryker -1
3	Ortho ot table	2	
4	Arthroscopy scope		Stryker
5	Light source		Stryker
6	Arthroscopy shaver	1	Stryker
7	Trauma set	1 each	
8	ACL set	1	Concept orthopedics
9	PCL SET	1	Concept orthopedics
10	SPINE IMSTRUMENTATION SET	2	

1.	No. of Clinical Units of the Department	:	5
2.	No. of Beds / Dental Chairs (unit wise & Total of the Dept.)	:	30 per unit
3.	No. of ICU (name; no. of beds in ICUs)	:	10
4.	No. of Wards belonging to the Department	:	3
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	5 / week
6.	No. of OTs (Major / Minor)	:	2+1
8.	Clinical Examination Room / Demo Room	:	6
9.	List any other facility / services	:	Physiotherapy
10.	No. of Out-patient / day for the Dept. OPD (Average)	:	350- 370
11.	No. of In-patient / day for the Dept. IPD (Average)	:	19-21
12.	No. of Operation / day (Major) carried out by the Department	:	5-7
13.	No. of Operation / day (Minor) carried out by the Department	:	18-22

14.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	

39. List of Doctoral, Post-Doctoral Students and Research Associates:

Nil

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- All the PG students of the Department receive the Stipend from the University as per the norms.

B. Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms

C. Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are as under (common to all Departments)
Select students get fee waiver

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.
Yes need assessment was done before commencing new programs.

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- YES. The feedback is utilized to improve teaching methods and the curriculum is revised as required.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- YES. The feedback is used to modify teaching programs as required.

Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	:	As in dept of anatomy
Skill Lab	:	Central skills lab utilized as and when required

Sharing or Usage of the resources of other Departments	:	radiology – MRI, CT , USG , Xray; PATHOLOGY , MICROBIOLOGY, BIOCHEMISTRY, anasthesia

43. List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Sl. No.	Name of Alumni	Institution	Designation	Place of Work
1	Dr. dhiyanesh	Bharath university, chennai	m.s ortho	MGMC
2.	Dr. yogesh	Manipal university	m.s ortho	Manipal hospital , bangalore
3.	Dr.prakash	Annamalai university	m.s ortho	erode
4.	Dr. manivannan	Bharath university,	m.s ortho	Apollo hospital; chennai

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years.

Number of SEPs conducted during the last Five Years 112.

Details are as follows:-

Sl. No.	Name of Program	No.	Name of the Expert	
			External	Internal
1	Workshops / Hands on Training	1	-	-
2	Training Programmes	1	-	-
3	CMEs / CDEs	1	Dr.Saravana kumar, Prof. Jagdish Menon, Prof. Thiagarajan	Prof.K.R.Thyagaraj an, Dr.Surendher Kumar
4	Clinical Meetings	6		
5	Conferences	103		
	Total	112		

List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching (Conventional, Interactive, Blended, Learner Centric, Skill Laboratory, Virtual Laboratory, ICT enabled (Video Conferencing, Webinars, LMS, ERP, or any other, etc.)

Sl. No	For UG	For PG
1.	Conventional	Interactive
2.	Case discussion	ICT enabled,
3.	Interactive	Case discussion

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- UG – Interaction in the classrooms and bedside clinics. Clinical exam and viva-voce at the end of each posting. Feedback forms.
- PG - Interaction during ward rounds, monthly theory exams.

47. Highlight the participation of students and faculty in extension activities.

C. Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.

Sl. No.	No. of Camps/Workshops/Trainings/ Rallies / Lectures/Celebrations	Year / Date	No. of Beneficiaries
1.	Bone and joint day rally	4/8/2013	241
2.	Total number of camp – 104	2013	26274
3.	Total number of camp -103	2014	32469
4.	Total number of camp - 41	2015	8880

48. Give details of "beyond syllabus scholarly activities" of the department.

- Recent advances/ demos of latest skills/ demos of new equipments

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Conferences POACON	Nov- 2011	112	POA	Regional	12/05
2.	Conferences OASISCON	August 2008	530	OASIS	South Zone	32/09
3.	Conferences OASISCON	August 2013	845	OASIS	South Zone	34/08
4.	Golden Hour in Trauma CME	20th March 2015	230	Institute	Regional	15/3
5.	Webinar-live surgery and discussion on TKR	06-06-2015	27	DePuy / Institute	National	10
	Total		**1744**			

- Webinars, seminars, workshops, videoconference, on-line lectures.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by statutory regulatory bodies –**MCI**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research (eg. Research publications, surveys, trials and PG dissertations and other research inputs /outputs are as under:

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Strengths	Weaknesses	Opportunities	Challenges
Good Infrastructure Speciality Clinics Adequate Clinical Material Qualified Faculty	Need To Speed Up Research Activities Need More Publications	Establishing Fellowship Programs Research With The Help Of CIDRF	Adequate Time Management Between Patient Care, Teaching And Research Activities

***52. Future Plans of the Department* :**

- Academics: Newer courses (UG,PG,Certificate,others)- Fellowship for Arthroplasty,Arthroscopy & Sports medicine , spine.
- TLE Methods
- Research
- Extension
- Infrastructure (Physical & Learning Resources)- Bio skill lab & cadaver lab
- FDPs – to conduct 3-4 FDP's per year. To encourage faculties and pg's to attend 15-20 fdp's per year
- SDPs
- Any other.

53.

a. Salient and Unique Features of the Department

b. Innovations of the Department

Daily review meeting in the morning regarding admitted and operated cases in the previous working day

c. Best Practices

Daily review meeting in the morning regarding admitted and operated cases in the previous working day.

- Regularly inviting senior faculty from outside for training and motivating students and post graduates.
- In collaboration of POA , PG clinical meet is conducted trimonthly

Department of Urology

1. Name of the Department : Urology

2. Year of Establishment : 2011

3. Is the Department part of a College / Faculty of the University*?*

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of **Medicine**.

4. Names of Programs Offered *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*
The Department offers the following programmes*:*

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
Superspeciality	M.Ch	Annual	2011	1 (Increased to 2 from 2015)	3	3 Yrs

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	Other Institutes
1	Basic Urology training	Surgery	Nil

Nature of Involvement: Each general surgery post-graduate posted in our department for one month on rotational basis will be trained in basic urological procedures like Suprapubic Cystostomy, cystoscopy and minor surgical procedures.

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc*.*

Nil

7. Details of Programs discontinued, if any, with reasons. Nil

8. Examination System : Annual

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments: Nil

10. Number of Teaching posts sanctioned, filled and actual

Designation	Sanctioned (as per MCI)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor	**2**	**2**		**2**
Associate Professor / Reader	1	1		1
Assistant Professor / Lecturers	2	2		2
Subtotal (1)	5	5		5
Senior Resident	5	5		5
Junior Resident		1		1
Subtotal (2)				6
Grand Total (1+2)				11

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr.A.Mossadeq	MS,Mch	Professor & Head	Urology	25	4	4	2
2	Dr.S.Joseph Philipraj	MS,DipNB, Mch,DipNB	Professor	Urology	12	2	4	2
3	Dr.Kalyanram Kone	MS,MCh	Associate Professor	Urology	8	5	4	1
4	Dr. Vasudevan T	MS, MCh	Assistant Professor	Urology	5	1	4	1
5	Dr. Sanchit Gupta	MS, MCh	Assistant Professor	Urology	4	1	4	1

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities):*** Nil

c. ***Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students:*** Nil

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors: Nil

13. Percentage of classes taken by temporary faculty – program-wise information: Nil

14. Program-wise Teacher Student Ratio

Programme	Teacher Student Ratio
PG Degree	2:2

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual: Nil

16. Research thrust areas as recognized by major funding agencies and SBV

Gut microbiomes and renal stone formation

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

1 Number of Faculty of the department are involved in 1 Number of Research Projects.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects
Department / Self Funded	one	
Total	one	

Details of the Projects:

a. Ongoing Projects:

Sl.No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored
1	Dr.Kalyanram Dr.Vasudevan T GUT microbiome and urolithiasis	CIDRF	-	1YR	SBV

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) : nil

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received*. - Nil*

20. A. Research facility / Centre available to carry out research :-

- At central level (give details of facilities used by your department) **: CIDRF**

Research facility / centre with: (recognised by national and international agencies for providing assistance for research)
National Recognition: **CIDRF**

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV: nil

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	**19**	**3**
International Journals	**9**	**2**
Total	**28**	**5**

B. Monographs: Total 1 Monographs published by 1 Faculty.

Sl. No.	Name of the Faculty	Topic of Monograph	Print *or* Online	Year

1	Mossadeq A	Birds Eye View of the spectrum of vesicourethral dysfunction	Print	2010

C. Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of Publications in Databases		1			1	1	1
Citation Index – Range / Average		1	4			3	
Scopus		1	2			2	
PubMed		1	1			2	
WOS							
Google Scholar			2		1		1

23. Details of Patents and income generated:

Nil

24. Areas of Consultancy and income generated: **Nil**

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad. Nil

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International) ***Nil***

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended ……45……. no. of FDPs.
  (…5……..International; …15…… National; …15……State/University; …10… College).
- On an average, each faculty attends ……10…… FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	
1.	Orientation Programme				
2.	Refresher programme				

3.	Workshops	5	5		10
4.	Seminars / Symposia / Conferences	5	5	1	11
5.	CMEs/CDEs/MET/DET/Clinical meets	5	5		10
6.	Special Lectures				
7.	Any other				
	TOTAL	15	15	1	31

28.Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	No. of PG Dissertations based on Research Work	**2**	**2**	**4**
	Total			

- percentage of students who have taken up in-house projects including Inter-departmental projects :Nil

- percentage of students doing projects in collaboration with other universities / Industry / institute :Nil

- **Details of Students STS ICMR Projects**: Nil

29.Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	International Level	Total	State/ University Level	National Level	International Level	Total
1.	Faculty	1							1

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1.	Vasudevan T, Assistant Professor	Gold Medal in Urology	TNMGRMU	Sep 2014

30. Seminars / Conferences / Workshops organized and the source of funding (State / National / International) with details of outstanding participants, if any.

Total Organized: …1…….
(International: …….; National: …….; State: …….; University: …….; College: …1….).

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	CME / Clinical meeting	2013	45	Nil	C	E-1

N: National; I: International; U: University; C; College; I: Internal; E: External

31. Code of Ethics for Research followed by the Departments

All research work in the department are governed by institutional ethics committee

***32. Student Profile program-wise - Students enrolled and performance*:**

A.PG Students

Enrollment

Name of the Course *(Refer to Question no. 4)*	Applications Received, Students appeared and passed in CET					
	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Super Specialty	2009-2010	…….	…….	…….	…….	…….
	2010-2011	…….	…….	…….	…….	…….
	2011-2012	14	12	2	16.7	2 + 0=2
	2012-2013	15	9	9	100	2 + 0=2
	2013-2014	10	7	2	28.6	2 + 0=2
	2014-2015	10	9	2	22.2	2 + 0=2

Name of the	Applications Received, Students appeared and passed in CET

Course *(Refer to Question no. 4)*	Year	No. of Applications	No. of Students appeared for CET	Students Passing in CET	% of Pass in CET	Students Admitted M + F = T
PG Degree (MD/MS/Diploma)	**2009-2010**	110	101	63	62.4	41 + 22=63
	2010-2011	213	183	61	33.3	36 + 25 = 61
	2011-2012	176	162	111	68.5	52 + 22=74
	2012-2013	145	132	115	87.1	49 + 35=84
	2013-2014	200	179	81	45.3	50 + 28=78
	2014-2015	250	194	78	40.2	45

b. Performance in University Examinations:

Name of the Course *(Refer to Question no. 4)*	Number of students completed PG Studies and Pass percentage during the past Five Academic Years				
	Academic Year	**Candidates Appeared**	**Candidates Passed**	**Pass %**	**Remarks** (Gold Medalist, if any)
	2013-2014	1	1	100%	
	2014-2015	1	1	100%	

Performance in University examinations conducted by SBV:

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
	Academic Year		**Candidates Appeared**	**Candidates Passed**	**Pass %**
UG Degree (MBBS)	**2009-2010**	June	148	117	79
		December	30	30	100
	2010-2011	June	148	104	70
		December	160	136	85
	2011-2012	June	203	157	77

Name of the Course	Number of UG students who have completed / passed in Department subject at University Examination and Pass Percentage during the past Five Academic Years				
		December	270	220	81
	2012-2013	June	250	179	72
		December	403	275	68
	2013-2014	June	365	287	79
		December	422	345	82
	2014-2015	June	313	244	78
		December	442	369	83

33. Diversity of Students:

a.PG Students from 2009-2014: student diversity is given in table:

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of Students from SBV		No. and % of students from other Universities Within Pondicherry		No. and % of students from Universities Outside Pondicherry				No. and % of Students from Other Countries (Outside India)	
						From TN		Other States			
PG (DM / M.Ch	2009-2010	-	-	-	-	-	-	-	-	-	-
	2010-2011	-	-	-	-	-	-	-	-	-	-
	2011-2012	-	-	-	-	1	50	1	50	-	-
	2012-2013	-	-	-	-	1	50	1	50	-	-
	2013-2014	-	-	-	-	2	100	-	-	-	-
	2014-2015	-	-	-	-	-	-	1	50	1	50

b. UG Students from 2009-2014: student diversity is given in table (Common to all departments)

Name of the Course *(Refer to Question No. 4)*	Year	No. and % of students from within Pondicherry	No. and % of students from Outside Pondicherry		No. and % of Students from Other Countries (Outside India)
			From TN	Other States	

UG Degree (MBBS)	**2009-2010**	42	28	82	54.7	26	17.3	-	-
	2010-2011	42	28	93	62	15	10	-	-
	2011-2012	42	28	100	66.7	8	5.3	-	-
	2012-2013	42	28	102	68	6	4	-	-
	2013-2014	43	28.7	98	65.3	9	6	-	-
	2014-2015	48	19.2	190	76	12	4.8	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.

35. Student Progression

Student progression	No. & % against enrolled
PG to Superspeciality - DM / M Ch in the Subject of the Department a.SBV to SBV b.SBV to Other Institutions	Two students of SBV out of four Postgraduates in Urology have joined SBV superspeciality course (50%)

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
from other Universities within the State		2
from Universities from other States	5	3

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

L. Before joining SBV: 5

M. After joining SBV (2008 – 2015): Nil

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library

29.	No. of Books	178	153
30.	No. of Journals	National-1 International-4	National-1 International-4
31.	No. of e-Journals	Proquest-15	
32.	P.G. Dissertations	1	1

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	3	3

C.Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms	1	
2.	Seminar Halls	1	
3.	Demonstration Rooms	1	

4.	Students' Laboratories at the Department	:	Nil
5	Research Laboratories at the Department	:	Nil
6.	Museum No. of specimen / unique specimens / posters / models / charts / e-museum features / display and utility	:	1
7.	Skill Lab	:	Endotrainer for laparoscopy in the department
8.	Sharing or Usage of the resources of other Departments	:	

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. (Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C)

Name	Model	Make	Cost(Rs.)	Functional Status	AMC
ESWL Machine	Modularis Variostar	**Siemens**	1Crore	**Functioning**	YES
Holmium Laser	Versapulse P20	**Lumenis**	20Lakhs	**Functioning**	YES

Flexible Ureteroscope	Flex X2	**Karl storz**	7Lakhs	**Functioning**	YES
Flexible Cysto-Nephroscope	Flex	**Karl storz**	4Lakhs	**Functioning**	YES
Endoscopy cart	-	**Stryker**	15Lakhs	**Functioning**	YES
Urodynamics	Urocomp2000	**Status**	6Lakhs	**Functioning**	YES

E.Clinical Teaching – Learning Resources (only for Clinical Department)

1.	No. of Clinical Units of the Department	:	1
2.	No. of Beds / Dental Chairs (unit wise & Total of the Dept.)	:	30
3.	No. of ICU (name; no. of beds in ICUs)	:	7 Beds
4.	No. of Wards belonging to the Department	:	4
5.	No. of Special Clinics with their Names and Frequency (Once / Twice Per Week etc.)	:	Andrology-Once a week Urogynecology-Once a week Incontinence clinic-Once a week
6.	No. of OTs (Major / Minor)	:	1-major
7.	No. of Labor Rooms / any other facility	:	
8.	Clinical Examination Room / Demo Room	:	1
9.	List any other facility / services	:	
10.	No. of Out-patient / day for the Dept. OPD (Average)	:	105-115
11.	No. of In-patient / day for the Dept. IPD (Average)	:	7-9
12.	No. of Operation / day (Major) carried out by the Department	:	3-5
13.	No. of Operation / day (Minor) carried out by the Department	:	5-6
14.	No. of exclusive Screening / Diagnostic Tests conducted by the Dept. (average / day)	:	Uroflow Urodynamic study

39. List of Doctoral, Post-Doctoral Students and Research Associates: nil

40. A. Number of Post Graduate students getting Financial Assistance from the University.

- *All the PG students of the Department receive the Stipend from the University as per the norms.*

B. ***Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms***

C. ***Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are available in criteria 5.***

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes

42. Does the department obtain FEEDBACK from

a.Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Informal feedback from faculty so as to identify any difficulties in day to day work, once in a month intra-departmental meet and one to one discussion with the HOD.
The feedbacks are used to improvise the working condition, solve interpersonal matters and to maintain decorum in the department

b.Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Students give informal feedback every week to the HOD about their curriculum, teaching staff and their needs

c.Alumni and employers on the programs offered and how does the department utilize the feedback?

Alumni are called during important local meets, contacted over telephone and through e-mail. Suggestions taken and we try to implement changes for present Post-graduates if found reasonable.

43. List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).

Nil

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

Number of SEPs conducted during the last Five Years 1

Details are as follows:-

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	CMEs / CDEs	CME	MGMCRI, Puducherry	1	

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching.

Sl. No	For UG	For PG
1.	Interactive	Interactive, Learner Centric, ICT

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Each post-graduate is regularly assessed by clinical discussions, watching them during monitored procedures and during regular ward rounds.

47. Highlight the participation of students and faculty in extension activities. Nil

48. Give details of "beyond syllabus scholarly activities" of the department.

Nil

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

All the programmes are approved by Statutory regulatory bodies –MCI /DCI/ INC.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research (eg. Research publications, surveys, trials and PG dissertations and other research inputs /outputs are as under:
- New methods of diagnostics, tests, methods, skills for treatment and management.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Consistency		One of the best training institute for post-graduates in country	Patients with low SES

2.	Hard work		Monitored hands-on training for PGs	Research
3.	Efficiency		Research	
4.	Team work		Progress	
5.	Ethical work		Teach	

***52. Future Plans of the Department* :**

- Academics: Aims to train our postgraduates for international travel fellowship
- TLE Methods: E-learning, webinars
- Research: Molecular pathogenesis of Urolithiasis
- Extension: Simulated training
- Infrastructure (Physical & Learning Resources): Robotics
- FDPs: International workshops
- SDPs : Inter-institutional exchange training programme

53. ***a. Salient and Unique Features of the Department***

State of the art technology and first class treatment for Urinary stones.
Advanced endourology and laparoscopy centre
World class training for post-graduates

b. Innovations of the Department

Minimal access guide
Ultrasound guided PCNL

c. Best Practices

Ethical, Evidence based, Primum non-nocere, Impartial and patient-first care

Department of Cardiology

1. ***Name of the Department*** : Cardiology

2. ***Year of Establishment*** : 2009

3. ***Participation of the Department in the Courses offered by other Departments***

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by Department
M.D	General Medicine
M.D	Pediatrics

Nature of Involvement:

4. ***Faculty Profile with name, qualification, designation, area of specialization, experience:***

Sl. No.	Name of the Faculty	Qualifications	Designation	Area of Specialization	Years of Teaching/clinical Experience	
					Total	At SBV
1.	Dr.Dhanabal	M.D.,D.M	Professor	Cardiology		
2.	Dr.Amirtha Ganesh	M.D.,D.N.B	Professor	Cardiology		
3.	Dr.Arun Prasath	M.D. ,D.M	Associate Professor	Cardiology	7	4
4.	Dr.Arun Kaushik	M.D.,D.N.B	Senior Resident	Cardiology		

Number of support staff (Technical) and Administrative staff:

Staff	Name of the Post	Filled / Actual		
		M	F	Total
Support Staff (Technical)	1.Mrs. Subashree		1	1
	2. Mr.Kasi Rao Boopathy	1		1
	3.Mr. Pratap	1		1
	4.Mr.Shiva Shankar	1		1
Administrative Staff	1.Ms.Karthika		1	1
Total		3	2	5

5. ***Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise***. *NIL*

6. ***Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) :*** Nil

7. ***Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received***. Nil

8. ***A. Research facility / Centre available to carry out research :-*** NIL

   B.Research facility / centre with: (recognized by national and international agencies for providing assistance for research): CIDRF
   State Recognition / National Recognition / International Recognition

9. ***Special research laboratories created /*** **sponsored** ***by Industry or Corporate Bodies / SBV:*** NIL

10. ***A. Research Publications: Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)***

Total Publications in Journals	Before joining SBV	After joining SBV
National Journals	22	12
International Journals	18	13
Total	40	25

B. Monographs: Nil

C.Chapters in Books: Total …3…… Chapters in books published by …… Faculty.

D.Books edited: Nil

E.Books Published with ISBN with details of publishers: Nil

F.Number of Research articles / publications listed in International Database

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
No. of Publications in Databases							
Citation Index – Range / Average		3	10	2+5	3		

Scopus			5		15		

11. Details of Patents and income generated: 6

Patents obtained: National : ……6…… ; International : …… ; Total : …6……

12. Areas of Consultancy and income generated: NIL

13. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad: NIL

14. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International) NIL

15. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs). NIL

- Faculty members have attended ……28……. no. of FDPs.

  (……2…..International; …13…… National; …13……State/University; …… College).
- On an average, each faculty attends ……1.4…… FDPs in a year.

16. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students - NIL

17. Seminars / Conferences / Workshops organized and the source of funding

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Workshops	July 2012 BMU workshop	15	SBV	STATE	I
2.	Skill based training	March 2012 Device Closure working	15	SBV	STATE	I

N: National; I: International; U: University; C; College I: Internal; E: External

18. Code of Ethics for Research followed by the Departments

As per ethics commitee

19. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University	**NIL**	**NIL**
from other Universities within the State	NIL	1
from Universities from other States	4	3
from Universities outside the Country	NIL	NIL

20. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG: Nil

21. Present details of Departmental Infrastructural Facilities with regard to

A.Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department	6	2

B. List of major equipments and instruments of the department. : Attached Table

22. A. Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students *(special lectures, motivational lectures, health awareness lectures – blood/eye/cadaver donation/diabetes/no drug/no alcohol/no tobacco/ AIDS/ polio/cancer/obesity/hypertension/personal/public hygiene/ recent advances, vaccination/ nutrition, dietetics, cleanliness, protected drinking water, oral hygiene etc./ celebration of important days, environment protection, save girl child, mother and child, geriatrics etc.)* **through - Attached**

- **Orientation /sensitization/ awareness lectures**
    - **Exhibition, blood donation, tree plantation, celebration of days etc.**

23. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. Research, patents

- Applications of departmental research (eg. Research publications, surveys, trials and PG dissertations and other research inputs /outputs are as under:

24. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

- Team work, infrastructure, patient base.

****

Superspeciality Departments

1. Name of the Department : Superspeciality Services

(Cardiothoracic, Neurology, Neurosurgery, Nephrology, Plastic Surgery, Medical Gastroenterology, Surgical Gastroenterology, Surgical Oncology, Pediatric Surgery)

2. Year of Establishment : 2009

3. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses MD and MS offered by the respective departments.

Nature of Involvement: Teaching, demonstration /training of medical & surgical procedures.

4. Faculty Profile with name, qualification, designation, area of specialization, experience:

Sl. No.	Name of the Faculty	Qualifications	Designation	Area of Specialization	Years of Teaching/clinical Experience	
					Total	At SBV
1.	Dr.Gopal	MS,MCH, MRCS	Asst.Prof	Cardiothoracic	11	1
2.	Dr.Elamaran	MS,MCH	Asst.Prof	Cardiothoracic	4	1
3.	Dr.S.Murugesan	MD.,DM	Associate professor	Epilepsy stroke	15	8
4.	Pratheesh Ravindran	MBBS,MCH	Associate Professor	Neuro surgery-Trauma	6	2.5
5.	Karthigeyan.M	MBBS,MS,MCH	Asst. Professor	Neuro surgery Spine	2	1
6.	Sarguna Devi	MBBS	Junior Resident	-	2.5	1
7.	DR. R. Hemachandar	MD (Gen Med) DM (Nephro)	Assistant Professor	Nephrology	2	2
8.	Dr.V.Narayanan	M.S., M.Ch	Prof & Head	Plastic Surgery	26 years	5 years
9.	Dr.S.Mishra	M.S.,DNB ,M.Ch	Professor	Plastic Surgery	28 years	<1

Sl. No.	Name of the Faculty	Qualifications	Designation	Area of Specialization	Years of Teaching/clinical Experience	
					Total	At SBV
10.	Dr.J.Vijay	M.S., M.Ch	Asst.Prof	Plastic Surgery	5 years	2 years
11.	Dr.K.Senthil Nathan	M.S., M.Ch	Asst.Prof	Plastic Surgery	<1	<1
12.	Dr.B.Vinoth	D.M (Gastro)	Associate professor	Medical Gastro enterology (Parasitology, Diagnostic endoscopies, Hepatology.)	4	1
13	Dr.Suganthy	MBBS	Junior resident		<1	<1
14	A.Balasubramanian	M.S., M.Ch	Associate Professor	Surgical Oncology	10	1
15	Dr. Mahalaksmi	M.S., M.Ch	Professor	Pediatric surgery	15	13

5. Number of faculty with Ongoing and Completed Projects

7 Numbers of Faculty of the department are involved in **1, C**ompleted And **13** Ongoing Research Projects.

Department	Number of Ongoing Projects	Number of Completed Projects	Funding agency	Total
Nephrology	3	1	3Self funded 1 ICMR	4
Plastic surgery	3	-	2 SBV Funded 1 Self Funded	3
Medical gastroenterology	3		Self funded	3
Surgical Oncology	2		Self funded	2

a. Details of Ongoing project

SNO	PI, Co-PI and Project Title	Department	Funding Agency
1	Nutritional assessment of patients with chronic kidney disease	Nephrology	Self funded

2	Left ventricular filling pressure in patients with chronic kidney disease and its correlation with GFR	Nephrology	Self funded
3	Insulin resistance in patients with Diabetes Mellitus and Chronic Kidney Disease	Nephrology	Self funded
4	Trial skin grafting	Plastic surgery	SBV funded
5	Comparative study on Zigzag scar vs Linear scar	Plastic surgery	SBV funded
6	Manaveure for palpation of Ulnar Pulse	Plastic surgery	Self
7	Inflammatory mediators in Functional bowel diseases	Medical gastro enterology	Self
8	Metabolic syndrome in NAFLD	Medical gastro enterology	Self
9	CT severity index in acute pancreatitis	Medical gastro enterology	Self

6. Inter-institutional Collaborative Projects and Associated Grants received: Nil

7. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Sl. No	PI, Co-PI and Project Title	Department	Funding Agency	Grant Received	Duration	National / International / SBV/ Department sponsored
1	Evaluation of cardio-metabolic risk factors in chronic kidney disease	Nephrology	ICMR	Rs. 10,000	1 year	ICMR

8. A. Research facility / Centre available to carry out research :-

- In the department**:** Clinical resource
- In other departments: Investigative support from Radiology, Blood investigation laboratories, clinical support from all clinical departments,
- At central level: CIDRF

G. ***Research facility / centre with: (recognized by national and international agencies for providing assistance for research):*** CIDR recognized by SIRO

9. Special research laboratories created / **sponsored** ***by Industry or Corporate Bodies / SBV:*** *CIDRF*

10. A. Research Publications:

Department	Total Publication in Journal			Total	Before Joining SBV	After Joining SBV
	I	N	S			
Neurology		1		1	1	-
Neuro Surgery	11	7		18	15	3
Nephrology		8		8	2	6
Plastic surgery	12	16	1	29	28	1
Medical Gastroenterology	10	1		11	10	1
Surgical Gastroenterology		1		1	1	
Surgical Oncology	5			5	5	
Paediatric Surgery	2	8		10	4	6

I: International; N: National; S: State

B. Monographs: 12 by Dr.Mahalakshmi, (Dept.of Paediatric Surgery)

C. Chapters in Books: 03 (Dept.of Plastic Surgery)

D. Books edited: *NIL*

E. Books Published with ISBN with details of publishers: NIL

F. ***Number of Research articles / publications listed in International Database:***

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
No. of Publications in database	3	5	2	1		7	17	1
Citation index	7	4	9	9	13	17	27	13
SJR	0.52	0.52	-	0.53	-	0.4,0.48	0.71, 0.47, 0.48	0.16
PubMed						4	12	
Google Scholar						1	2	
Impact Factor(Range/Average)	0-1	0-1				0-1	0-1	0-1

11. Details of Patents and income generated:

Patents obtained: National : ……12… ; International:…… ; Total : …12……

12. Areas of Consultancy and income generated: Nil

13. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad – Nil

14. Faculty serving in a) National Committees b) International Committee c) Editorial Boards

Sl. No.	Faculty	Editorial Boards
		National
1	Dr. Mahalakshmi	2

15. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

Orientation programs, CMEs, case presentations, workshops.

- Faculty members have attended ……86……. no. of FDPs.

  (……39 International; …30…National; 17……State/University; …… College).

- On an average, each faculty attends …8…… FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	
1.	Orientation Programme	11			11
2.	Seminars / Symposia / Conferences	6	30	39	75
	TOTAL	17	30	39	86

16. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students:

Awards & Recognitions

Sl. No.	Received by	Number of Awards at			
		State/ University Level	National Level	Inter national Level	Total
1.	Faculty	5	1	0	6

The details of the awards and recognition received by the faculty are in the respective department annexure.

17. Seminars / Conferences / Workshops organized and the source of funding: Nil

18. Code of Ethics for Research followed by the Departments: ICMR Guidelines

19. Diversity of Staff

Percentage of faculty who are graduates	Post Doctoral
from other Universities within the State	10%
from Universities from other States	100%

20. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

Before joining SBV:11
After Joining SBV: 1(Ph.D) Dr.Mahalakshmi

21. Present details of Departmental Infrastructural Facilities with regard to

A. Computer and Internet facilities for staff and students available at Department

All departments are provided with a Computer with Wi-Fi & LAN Internet Facility**.**

B. List of major equipments and instruments of the department.

- Heart Lung machine
- EEG Machine
- OPMI/vario/s88-Microscope(55 lakhs *)
- Sumex CORE drill- stryker-18 lakhs
- Skull fixation brain retraction system-10 lakhs

- Dialysis Machine – 7(Fresenius Medical Care 4008S)
- Dialyzer Reprocessing Machine – Tuscano
- OLYMPUS make: Upper GI Endoscope with accessories
- Sigmoidoscope with Accessories

22.

- **Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students** –Nil

23. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Faculty attends FDPs and live workshops to update their knowledge and improve their assessment and surgical skills.

24. List major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Clinical resources
- State of art, modular OTs
- Faculty trained at premier institutions
- Patient Care
- Academic Teaching

Weaknesses:

- Less number in work team

Opportunities:

- Government Health Insurance
- Support service departments
- Research Infrastructure
- Health insurance schemes

Challenges:

Filling up of students at M.Ch level.
Minimal Public awareness about certain speciality
Covering the rural population

***25. Future Plans of the Department* :**

- Minimally invasive Cardiac surgery.
- Thoracoscopy.
- Cardiac transplantation centre and renal transplantation centres.
- Starting speciality and certificate courses.

Centre for Yoga Therapy, Education and Research (CYTER)

1. ***Name of the Department*** : Centre for Yoga Therapy, Education and Research (CYTER)

2. ***Year of Establishment*** : 2010

3. ***Is the Department part of a College / Faculty of the University****?*
   Yes, the Department is functioning in the **Mahatma Gandhi Medical College & Research Institute**, as a constituent unit of **Sri Balaji Vidyapeeth**, Pondicherry.

4. ***Names of Programs Offered*** *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*
   The Department offers the following programmes*:*

Course Level	*Course Name*	*Annual / Semester*	*Year of Starting*	*Number of Intake Per Year*	*Current Student Strength*	*Duration of Course*
PG Diploma	PG Diploma in Yoga Therapy (PGDYT)	2 semesters	2014	4	4	1 year

5. ***Interdisciplinary Programs and Departments involved***

   Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

   The following departments are involved in the PG programmes offered by the department:

Sl. No.	*Name of the Programmes offered by our Department*	*Involved Departments*	
		Within the Institute	*of Other Institutes*
1	PG Diploma in Yoga Therapy (PGDYT)	Physiology	

   Nature of Involvement: Teaching and research

6. ***Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc****.*

   Nil

7. ***Details of Programs discontinued, if any, with reasons:*** Nil

8. ***Examination System :*** Semester

9. ***Participation of the Department in the Courses offered by other Departments:*** Nil

10. Number of Teaching posts sanctioned, filled and actual
(Professors / Associate Professors / Asst. Professors / others)

Designation	Filled / Actual (including CAS & MPS)		
	Male	Female	Total
Professor	2	1	3
Total	2	1	3

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1.	Dr Madanmohan *	MBBS, MD, DSc (Yoga)	Director	Physiology, Yoga	44	5		
2.	Dr Ananda Balayogi Bhavanani	MBBS, ADY, PGDFH, PGDY, MD (AM)	Deputy Director	Yoga, family health, yoga therapy, yoga research	15	4		
3.	Dr Meena Ramanathan	PhD (Yoga), MSc (Yoga), PGDY, MA	Coordinator-cum-yoga therapist	Yoga, yoga therapy, yoga research	8	4		
	* Prof and Head, Department of Physiology, MGMCRI							

b. ***Faculty of the Department as Ph.D Guides: (at SBV & other Universities):*** Nil

c. ***Recognition of External Experts / Faculty as Ph.D guides of SBV to guide SBV students:*** Nil

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors: Nil

13. Percentage of classes taken by temporary faculty – program-wise information: Nil

14. Program-wise Teacher Student Ratio *(based on the number of teachers of the department and the number of students at* ***entry*** *level of the programme)*

Programme	Teacher Student Ratio
UG	**1 :**
PG Degree	1 :

Programme	Teacher Student Ratio
UG	**1 :**
PG Diploma	1 : 1
Ph.D	1 :
Any other	

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	Yoga instructor		1	1	2
	ANS			1	1
Total			1	2	3

16. Research thrust areas as recognized by major funding agencies and SBV
(Based on Research Projects / Dissertation and Publications):

Physiological and psychological benefits and therapeutic applications of Yoga

17. Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total
Department / Self Funded	6	4	10
Total	6	4	10

Details of the Projects:

a.Ongoing Projects:

Sl.No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department

					sponsored
1	Dr. K Srikanth. Intra ocular pressure variations in forward bending yoga postures.	Self	NA	1 year	Inter departmental
2	Dr Kirti Nath Jha. Effects of tratak and bhramari pranayama (yogic eye care module) on ocular muscle balance and accommodation in computer vision syndrome.	Self	NA	1 year	Inter departmental
3	Mr. Senthi T. A study to assess the effectiveness of pranayama on level of depression among the transgender.	Self	NA	1 year	Inter departmental
4	Dr Madanmohan. Effect of yoga training on cardiorespiratory health in obese subjects.	CCRYN	Proposal submitted	1 year	Inter departmental
5	Dr Pajanivel. Effect of a comprehensive yoga therapy module on the pulmonary function and quality of life in patients with chronic obstructive pulmonary disease (COPD).	Self	NA	1 year	Inter departmental
6	Dr Ananda Balayogi Bhavanani. Effect of 4 weeks yoga training on cardiorespiratory, neuro-logical, haematological and psychological parameters in nursing students.	Self	NA	1 year	Departmental

b.Completed Projects:

Sl.No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored
1	Dr. Ananda Balayogi Bhavanani. Differential effects of uninostril and alternate nostril pranayamas on cardiovascular parameters and reaction time.	Self	NA	1 year	Departmental
2	Dr. Ananda Balayogi Bhavanani. Comparative immediate effect of different yoga asanas on heart rate and blood pressure in healthy young volunteers.	Self	NA	1 year	Departmental
3	Dr. Meena Ramanathan. Immediate effect of suryanamaskar on reaction time and heart rate in female volunteers.	Self	NA	1 year	Departmental
4	Dr. Meena Ramanathan. Effect of 12-weeks of yoga training on cardio-respiratory, neurological & psychological parameters in a geriatric	Self	NA	1 year	Departmental

	population				

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) : Nil

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.: Nil

20. A. Research facility / Centre available to carry out research :-

- In the department (give details of facilities in brief) **:**

  Basic research is done in our centre itself where we have faculty-funded facilities for PFT, RT and NIBP.

- In other departments (give details of facilities used by your department) **:**

  Advanced studies are done in department of Physiology, MGMCRI.

- In other college (give details of facilities used by your department) **:** Nil
- At central level (give details of facilities used by your department) **:** Nil

B. Research facility / centre with: (recognised by national and international agencies for providing assistance for research)

State Recognition / National Recognition / International Recognition

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:

A proposal for CYTER to be a Collaborative Research Centre with the Central Council for Research in Yoga and Naturopathy, Ministry of AYUSH, New Delhi is in the pipeline.

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	After joining SBV
National Journals	**10**
International Journals	**17**
State Journals	
S.B.V. University Journals	**11**
Total	**38**

B. Monographs: Total …Nil…… Monographs published by …… Faculty.

C. Chapters in Books: Total …2…… Chapters in books published by …one…… Faculty.

Sl. No.	Name of the Faculty	Name of Chapter	Name of the Book / ISBN No.	Year	Name and Publisher
1	Dr Ananda Balayogi Bhavanani	Historical developments of Yoga and Yoga therapy	The Principles and Practice of Yoga in Health Care	Early 2016	Handspring Publishing
2	Dr Ananda Balayogi Bhavanani	Introducing integral Yoga psychology in the teacher education curriculum	Applying Psychology in Teacher Education	2006	Pondicherry Cooperative Book Society

D. Books edited: Total ……4…… books edited by …one…… Faculty.

Sl. No.	Name of the Faculty	Name of the Book / ISBN No.	Year and edition	Name and Place of Publisher
1	Dr Ananda Balayogi Bhavanani	Correction of Breathing Disorders Through Rishiculture Ashtanga Yoga	2006 - e-book 2013	Dhivyananda Creations, Pondicherry.
2	Dr Ananda Balayogi Bhavanani	Mudras	2006 - e-book 2013	Dhivyananda Creations, Pondicherry.
3	Dr Ananda Balayogi Bhavanani	Surya Namaskar	2011- e-book 2013	Dhivyananda Creations, Pondicherry.
4	Dr Ananda Balayogi Bhavanani	Yoga Drishti	2014- e-book 2014	Dhivyananda Creations, Pondicherry.

E. Books Published with ISBN with details of publishers:
Total…17……Books with ISBN published by……two…… Faculty.

Sl. No.	Name of the Faculty	Name of the Book / ISBN No.	Year and edition	Name and Place of Publisher
1	Dr Ananda Balayogi Bhavanani	A yogic approach to stress	2003, 2nd ed-2007 - Italian ed & e-book 2013	Dhivyananda Creations, Pondicherry. Laksmi Edizioni, Italy
2	Dr Ananda Balayogi Bhavanani	A primer of yoga theory	2004, 2008, 2014 & e-book 2013	Dhivyananda Creations, Pondicherry.
3	Dr Ananda Balayogi Bhavanani	Yoga: 1 to 10	2005 - Italian edition 2009 & e-book 2013	Dhivyananda Creations, Pondicherry. Laksmi Edizioni, Italy
4	Dr Ananda Balayogi Bhavanani	Yoga for weight reduction	2008 & e-book 2013	Dhivyananda Creations, Pondicherry.
5	Dr Ananda Balayogi Bhavanani	Yoga for health and healing	2008 & e-book 2013	Dhivyananda Creations, Pondicherry.
6	Dr Ananda Balayogi Bhavanani	Chakras: the psychic centres of yoga & tantra	2008 - e-book 2013	Dhivyananda Creations, Pondicherry.
7	Dr Ananda Balayogi Bhavanani	Pranayama in the gitananda yoga tradition	2008-Italian edition 2009 - e-book 2013	Dhivyananda Creations, Pondicherry. Laksmi Edizioni, Italy
8	Dr Ananda Balayogi Bhavanani	Hatha yoga of the gitananda yoga tradition	2009-Italian edition 2011 - e-book 2013	Dhivyananda Creations, Pondicherry. Laksmi Edizioni, Italy
9	Dr Ananda Balayogi Bhavanani	Meditation the inner yoga	2009 - e-book 2013	Dhivyananda Creations, Pondicherry.
10	Dr Ananda Balayogi	Yoga and wellness	2011	MDNIY, New Delhi

	Bhavanani			
11	Dr Ananda Balayogi Bhavanani	Yoga for a wholistic personality	2012	MDNIY, New Delhi
12	Dr Ananda Balayogi Bhavanani	Understanding the yoga darshan	2011 - e-book 2013	Dhivyananda Creations, Pondicherry.
13	Dr Ananda Balayogi Bhavanani	Yoga chikitsa: the application of yoga as a therapy	2013	Dhivyananda Creations, Pondicherry
14	Dr Ananda Balayogi Bhavanani	Saraswati's pearls	2013	Dhivyananda Creations, Pondicherry.
15	Dr Ananda Balayogi Bhavanani and Meena Ramanathan	Yoga Vina Vidai Thoguppu (Tamil)	2005, 2010	Dhivyananda Creations, Pondicherry.
16	Dr Ananda Balayogi Bhavanani and Dr Meena Ramanathan	Adipadai Yoga Payirchigal (Tamil)	2006	Dhivyananda Creations, Pondicherry.
17	Dr Ananda Balayogi Bhavanani and Dr Meena Ramanathan	Eliya yoga payirchigal (Tamil)	2009	Dhivyananda Creations, Pondicherry.

F. Number of Research articles / publications listed in International Database *(For e.g. Web of Science, PubMed, Scopus, Google Scholar, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO, Medline, etc.), Citation Index, Journal Analysis, Impact factor and h-index*

	All	2010-2015
No. of Publications in Databases	144	106
Google Scholar	802	647
h-index	14	13
i10-index	18	17

23. Details of Patents and income generated: Nil

24. Areas of Consultancy and income generated: Nil

a. The areas of consultancy are as follows: Nil

b. The faculty of the department offer paid consultancy in the following areas: Nil

c. The faculty of the department offer honorary / reciprocator consultancy in the following areas: Nil

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad

Sl. No.	Name of the Faculty	Visiting Institution / Laboratory / Industry		Year of Visit	Purpose of Visit
		National	International		
1.	Dr Ananda Balayogi Bhavanani	Kaivalyadhama, Lonavla		2015	Adjunct Professor and Chairman, Board of Studies.
2	Dr Ananda Balayogi Bhavanani	WHO Collaborating Centre in Traditional Medicine (YOGA) at MDNIY, New Delhi		2014	Consultative meetings
3	Dr Ananda Balayogi Bhavanani		Sivanna Health centre, Sydney, Australia	2012 onwards	Consultative advisory meetings
4	Dr Ananda Balayogi Bhavanani	MDNIY, New Delhi		2008 onwards	Visiting faculty and examiner
5	Dr Ananda Balayogi Bhavanani		International Yoga Teachers Association, Australia	2008 onwards	Lecturing and presenting in international workshops and conferences
6	Dr Ananda Balayogi Bhavanani		Italian Federation of Gitananda Yoga, Italy	2006 onwards	Lecturing and presenting in international workshops and conferences
7	Dr Ananda Balayogi Bhavanani		Gitananda Society of Berlin, Germany	2006 onwards	Lecturing and presenting in international workshops and conferences
8	Dr Ananda Balayogi Bhavanani		Gitananda Yoga, UK	2006 onwards	Lecturing and presenting in international workshops and conferences
9	Dr Ananda Balayogi Bhavanani		Gitananda Yoga, Australia and New Zealand	2006 onwards	Lecturing and presenting in international workshops and conferences
	Total	3	6		

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards		Any other	
				N	I	N	I
1	Dr Ananda Balayogi Bhavanani	AYUSH Expert Committee for International Day of Yoga 2015	International Association of Yoga Therapists, USA	Yoga Mimamsa Journal	Yoga Life Journal		
2	Dr Ananda Balayogi Bhavanani	Scientific Academic Committee of CCRYN, AYUSH	Australian Association of Yoga Therapists	Yoga- Teacher's Manual for School Teachers, MDNIY, AYUSH	SM Journal of Cardiovascular Disorders		
3	Dr Ananda Balayogi Bhavanani	Selection committee, Indian Council for Cultural Relations, New Delhi	Council For Yoga Accreditation International, USA	Peer reviewer: Indian Journal of Traditional Knowledge	International Journal of Physiatry		
4	Dr Ananda Balayogi Bhavanani	Indian Yoga Association	International Society for Interdisciplinary Yoga Research, Belgrade, Serbia	Peer reviewer: Indian Journal of Physiology and Pharmacology	Peer reviewer: International Journal of Yoga		
5	Dr Ananda Balayogi Bhavanani				Peer reviewer: Journal of Clinical and Diagnostic Research		
6	Dr Ananda Balayogi Bhavanani				Peer reviewer: Biomedical Human Kinetics		
7	Dr Ananda Balayogi Bhavanani				Peer reviewer: Journal of Ayurveda and Integrative Medicine		

Sl. No.	Faculty	National Committees	International Committees	Editorial Boards		Any other	
				N	I	N	I
8	Dr Ananda Balayogi Bhavanani				Peer reviewer: Journal of Psycho Social Medicine Saudi Journal of Sports Medicine		
9	Dr Ananda Balayogi Bhavanani				Peer reviewer: Saudi Journal of Sports Medicine		
	Total	4	4	4	9		

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

- Faculty members have attended ……131……. no. of FDPs.
  (……43…..International; ……60… National; ……28…State/University; …… College).
- On an average, each faculty attends …… FDPs in a year.

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	
1.	Workshops	5	10	10	25
2.	Seminars / Symposia / Conferences	6	20	20	46
3.	CMEs/CDEs/MET/DET/Clinical meets	10	10	5	25
4.	Special Lectures	7	20	8	35
	TOTAL	28	60	43	131

28. Student Projects : Nil

- **Details of Students STS ICMR Projects**: Nil

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at			
		State/ University Level	National Level	International Level	Total
1.	Faculty	6	2	3	11
Total		6	2	3	11

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1.	Dr Ananda Balayogi Bhavanani	Sri Aurobindo Award	Pondicherry State Artists Association	2010
2.	Dr Ananda Balayogi Bhavanani	Lifetime Achievement Award	International Yoga Festival by Govt of Pondicherry, Directorate of Tourism	2011
3.	Dr Ananda Balayogi Bhavanani	School Psychology: Best Performance Award	Indian School Psychology Association	2013
4.	Dr Meena Ramanathan	Sri Aurobindo Award	Pondicherry State Artists Association	2013
5.	Dr Ananda Balayogi Bhavanani	Biodiversity Award	Auroville Foundation	2014
6.	Dr Ananda Balayogi Bhavanani	Included in Reference Asia, Emerald Who's Who In Asia, Biography India	Rifacimento International and Reguerdon Inc, New Delhi.	2014
7.	Dr Ananda Balayogi Bhavanani	Included in Asia/Pacific Who's Who , Famous India: Nation's Who's Who, And Asia: Men & Women Of Achievement	Rifacimento International and Reguerdon Inc, New Delhi.	2015
8.	Dr Ananda Balayogi Bhavanani	Bharat Excellence Award	Friendship Forum, New Delhi	2015
9.	Dr Ananda Balayogi Bhavanani	Sigaram Award	Pondicherry Drama Arts Association	2015
10.	Dr Ananda Balayogi Bhavanani	Honored for Yoga achievements & youth welfare service	Nehru Yuva Kendra	2015

11.	Dr Meena Ramanathan	Honored for Yoga achievements & youth welfare service	Nehru Yuva Kendra	2015

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

30. Seminars / Conferences / Workshops organized and the source of funding (State / National / International) with details of outstanding participants, if any.

Total Organized: …….
(International: …….; National: …….; State: …….; University: …….; College: …….).

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	Conferences					
2.	Seminars	2015	250	SBV	N	7/4
3.	Workshops	2013 and 2014	250 each	SBV	N	6/4
4.	CME / Clinical meeting	As above				
Total		3	750			

N: National; I: International; U: University; C; College I: Internal; E: External

31. Code of Ethics for Research followed by the Departments: Nil

***32. Student Profile program-wise - Students enrolled and performance*:**

A. PG Students

<u>Performance in University Examinations</u>:

Name of the Course *(Refer to Question no. 4)*	Number of students completed PG Studies and Pass percentage during the past Five Academic Years				
	Academic Year	Candidates Appeared	Candidates Passed	Pass %	Remarks (Gold Medalist, if any)
PG Diploma	**2014-2015**	**4**	**4**	**100%**	

Performance in University examinations conducted by SBV: Nil

33. Diversity of Students: Nil

A. PG Students from 2009-2014:

B.UG Students from 2009-2014: student diversity is given in table (Common to all departments): Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.: Nil

35. Student Progression: Nil

36. Diversity of Staff: Nil

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

N. **Before joining SBV:** ……Nil……..

O. **After joining SBV (2008 – 2015):** 1 (Dr Meena)

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

S. No.	Infrastructural facility for Teaching	Central Library	Department Library
33.	No. of Books		25
34.	No. of Journals		5
35.	Project Report of Faculty		5

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	**Department**	5	1

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms		1
2.	Seminar Halls		1

G. List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. (Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C): Nil

H. Clinical Teaching – Learning Resources (only for Clinical Department)

1.	Clinical Examination Room / Demo Room	:	1
2.	No. of Out-patient / day for the Dept. OPD (Average)	:	10-15

I. Clinical Learning Resources: Nil

39. List of Doctoral, Post-Doctoral Students and Research Associates: Nil

40. A. Number of Post Graduate students getting Financial Assistance from the University: Nil

B. ***Interns getting financial assistance: All Interns get assistance of Rs.3, 000/- per month as per norms:*** Nil

C. ***Undergraduate students also receive Financial Assistance from various Govt. & Funding Agencies. The details are as under (common to all Departments):*** Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology : Nil

42. Does the department obtain FEEDBACK from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Nil

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Nil

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Nil

43. ***List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).:*** Nil

44. ***Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years***

Number of SEPs conducted during the last Five Years …Nil…….

45. ***List the teaching methods adopted by the faculty for different programs including Clinical Teaching (Conventional, Interactive, Blended, Learner Centric, Skill Laboratory, Virtual Laboratory, ICT enabled (Video Conferencing, Webinars, LMS, ERP, or any other, etc.):*** Nil

46. ***How does the department ensure that program objectives are constantly met and learning outcomes are monitored?*** Nil

47. ***Highlight the participation of students and faculty in extension activities.***

- **Participation of the staff and students in rural/urban camps conducted by the department of Hospital Services / Community Medicine / NSS etc.:** Nil
- **Brief note on the extension activities like rallies, lectures, camps, participation by faculty and students***:* Nil

48. ***Give details of "beyond syllabus scholarly activities" of the department.:*** Nil

49. ***State whether the program/ department is accredited/ graded by other agencies? If yes, give details.***

All the programmes are approved by Statutory regulatory bodies –MCI /DCI/ INC.

50. ***Briefly highlight the contributions of the department in generating new knowledge, basic or applied*:** Nil

51. ***Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the***

department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Faculty	Lack of equipment	Patient care	Getting students

***52. Future Plans of the Department* :** To enhance research projects

53.

a. Salient and Unique Features of the Department*:* Nil
b. Innovations of the Department*:*
c. Best Practices*:* Nil
d. Any other point which the department wants to state (not covered above)*:* Nil

THE INNOVATIVE ASPECTS OF CYTER:

Modern medical advancements provide the rationale for the integration of various traditional healing techniques like Yoga to promote healing, health, and longevity. Thanks to the foresight of Chairman and management of SBVU and MGMCRI, CYTER was started on 1 November 2010 and was functioning adjacent to Blood bank in Hospital Block. Currently functioning in 1st floor, I block, adjacent to the main Hospital block, MGMCRI since December 2013.

"There are many centers where you can get a Yoga degree, attend a Yoga therapy session or find Yoga research being undertaken. However, to have all three happening in one place is surely innovative. This center is indeed a role-model that combines the best of the East with that of the West." - Joseph le Page, founder- Integrative Yoga Therapy, USA

At CYTER we have an integrated set up where we are educating future Yoga therapists while simultaneously helping patients recover from illnesses and at the same time developing an understanding through scientific research.

Whereas Yoga is usually found in departments of Physical Education & Sports in most universities, we at CYTER have it in a medical institution thus enhancing the learning curve of our trainees. This also enables us to offer integrative and holistic therapeutic benefits for all patients in our hospital as many departments refer their patients for Yoga therapy on a regular basis.

YOGA THERAPY: CYTER is conducting a scientifically sound Yoga therapy programme through its Yoga Therapy OPD in I Block from 9 am to 1 pm, Monday-Saturday. Consultations are offered by Dr. Ananda Balayogi Bhavanani, Deputy Director CYTER and Mrs Meena Ramanathan, Coordinator and Yoga Therapist. Qualified Yoga instructors are imparting the

schedules daily from 9 am to 1.30 pm. Individualised and group Yoga therapy sessions are being conducted for various medical conditions such as diabetes, hypertension, musculoskeletal and psychiatric disorders with excellent feedback from participants. Yoga therapy and lifestyle consultations are offered daily as part of Basic, Superior, Complete Cardiac and Deluxe Health Check packages of Master Heath Check-up in the Corporate Services Wing of the hospital since October 2013. More than 12,600 patients have benefited till date.

YOGA EDUCATION: Holistic health, integrative treatment and mind–body medicine are now buzz words. Integrating Yoga with modern medicine will enable us to produce holistic physicians for health delivery of tomorrow as integrative medicine becomes popular. Our PG Diploma in Yoga Therapy (PGDYT) is one of the innovative courses in the country as it is offered through a medical institution and combines the ancient wisdom with evidence based approach of modern medicine. The course is conducted by experienced faculties who have Yoga and modern medical training as well as a wealth of therapeutic and research experience with more than 200 publications to their credit. The first batch of students graduated from our PG Diploma in Yoga Therapy (PGDYT) in March 2015 and we are very proud that are the first set of Yoga Therapists graduating from a modern medical university. The second batch of students are currently pursuing the second semester with great interest. We are planning to convert the course into a two year Master of Science in Yoga Therapy (MSc YT) from the upcoming academics session (Aug 2015).

IMPORTANCE OF CYTER: The Govt of India, Ministry of Health & FW is currently promoting indigenous systems of health in a strong manner through AYUSH. The limitations of modern medicine in managing stress induced psychosomatic, chronic illnesses are the strength of Yoga and hence a holistic integration of both systems enables best quality of patient care. CYTER can be projected a nodal centre to train medical educators and administrators for setting up such integrative health centers in our country as we have the necessary infrastructure and man power. We can proudly state that it is only in the supportive and innovative milieu of Sri Balaji Vidyapeeth that the holistic art and science of Yoga, our cultural heritage, has been able to reach both the classes and the masses of our society optimally, effectively and holistically.

CENTER FOR MUSIC THERAPY

EDUCATION AND MUSIC THERAPY

1. Name of the Department : CENTER FOR MUSIC THERAPY

EDUCATION AND MUSIC THERAPY

2. Year of Establishment : 2010

3. Is the Department part of a College / Faculty of the University?

Yes, the Department is a part of **Mahatma Gandhi Medical College & Research Institute**, a Constituent Unit of **Sri Balaji Vidyapeeth**, Pondicherry, under the Faculty of Music Therapy.

4. Names of Programs Offered *(UG, PG, M.Phil., Ph.D., Integrated Ph.D., D.Sc, D.Lit. etc.)*

The Department offers the following programmes:

Course Level	Course Name	Annual / Semester	Year of Starting	Number of Intake Per Year	Current Student Strength	Duration of Course
PG Diploma	Post Graduate Diploma In Music Therapy	Semester	2014	10	2	1 Year

5. Interdisciplinary Programs and Departments involved

Undergraduate Programmes being interdisciplinary in nature, all the departments of the institution are involved.

The following departments are involved in the PG programmes offered by the department:

Sl. No.	Name of the Programmes offered by our Department	Involved Departments	
		Within the Institute	of Other Institutes
1	PGDMT	Biochemistry Microbiology Physiology Psychiatry	

Nature of Involvement:

6. Courses in Collaboration with other Universities, Industries, Foreign Institutions, etc.

7. Details of Programs discontinued, if any, with reasons.-Nil

8. Examination System : Annual / Semester / Trimester / Choice Based Credit System

NA

9. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments:

Name of the Course	Offered by	
	Department	Other Colleges / Institutes
Post Graduate Diploma In Music Therapy		Chennai School Of Music Therapy, Chennai

Nature of Involvement:

10. Number of Teaching posts sanctioned, filled and actual
(Professors / Associate Professors / Asst. Professors / others)

Designation	Sanctioned (as per MCI / DCI / INC)	Filled / Actual (including CAS & MPS)		
		Male	Female	Total
Professor		-		
Associate Professor / Reader		-	-	-
Assistant Professor / Lecturers	1	-	-	-
Subtotal (1)	1	-		
Demonstrator / Tutor	2		2	2
Senior Resident	0		0	0
Junior Resident	0		0	0
Subtotal (2)	2		2	2
Grand Total (1+2)	2		2	2

11. Faculty Profile with name, qualification, designation, area of specialization, experience and research under guidance

a. Faculty (as UG, UG/PG teachers) (Internal)

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
1	Dr. Sumathy Sundar	Ph.D.	Consultant And Head	Music Therapy And	5	2	3	

Sl. No.	Name of the Teaching Staff	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		No. of PG Students at SBV	
					Total	At SBV	Guiding	Guided
				Psychology				
2	Bhuvaneswari Ramesh	MBA., PGDMT	Tutor	Music Therapy	1	1		
3	Kala Vardhan	BA, PGDMT	Tutor	Music Therapy	-	Appointed New		

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl.NO	Name of the Faculty	Qualifications	Designation	Area of Specialization	Years of Teaching Experience		Remarks	
					Total	At SBV	Guiding	Guided
1	Dr.Baishali Mukherji	Ph.D	Part time faculty	Psychology & Music Therapy	7	Newly Appointed		
2	Dr.Parin Prmar	MD, PGDMT	Part time faculty	Pediatrics and Music Therapy	5	Newly Appointed		

13. Percentage of classes taken by temporary faculty – program-wise information **33%**

14. Program-wise Teacher Student Ratio :Nil

15. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual

Staff	Name of the Post	Sanctioned	Filled / Actual (Including CAS & MPS)		
			M	F	Total
Support Staff (Technical)	**ANM**	**1**		**1**	
Total		1		1	1

16. Research thrust areas as recognized by major funding agencies and SBV

Five research clusters were formed from CMTER in collaboration with CIDRF and are operated to encourage faculty and students to work collaboratively and engage in high quality music therapy research.

1.Traditional Music Healing Practices
2. Interdisciplinary collaborations and patient Outcomes
3. Community Health and Well- being
4. Mind Body Medicine
5. Education and Professional Training:

.

17. ***Number of faculty with Ongoing and Completed Projects from a) National b) International funding agencies c) SBV/ Department and d) Total grants received. Give the names of the funding agencies, Project title and grants received project-wise.***

Abstract of Projects:

No. of Projects from	Number of Ongoing Projects	Number of Completed Projects	Total	Funds received in Lakhs
University Funded / Sponsored	2	Nil	2	Not Yet
Department / Self Funded	7	3	10	
Total	9	3	12	

Details of the Projects:

a.Ongoing Projects:

Sl. No	PI, Co-PI and Project Title	Funding Agency	Grant Received in Lakhs	Duration	National / International / SBV/ Department sponsored
1	Does distraction and active focus of attention with music enhance patient's comfort under regional anaesthesia: A randomized controlled study Principal investigator: Dr. Hemanth Kumar VR, Associate Professor, Department of Anesthesiology Co-investigators: Dr. Ravishankar M, Professor and Head, Department of Anesthesiology, Dr. Sumathy Sundar, Director, CMTER, Dr. Balanehru Subramanian, Deputy Director, CIDRF, Dr. Srinivasan AR, Prof. Department of Biochemistry, Dr. Sivaprakash B, Professor, Department of Psychiatry. Status: assessment kit awaited. ethics committee clearance obtained	CIDRF			
2	**Fetal Programming in- Utero with music therapy**	CIDRF			

	Investigators: Dr. Sumathy Sundar, CMTER, Dr. Balanehru Subramanian, CIDRF, Dr. Kalaivani, Department of Microbiology, and other faculty of CIDRF and CMTER Status: Inclusion criteria defined and patient population identified				
3	**Effect of music therapy on fatigue and anxiety levels of patients undergoing hemodialysis procedure** Dr. Sobana Jaiganesh, PGDMT, CMTER Guide: Dr. Sumathy Sundar, Head, CMTER Co-guide: Dr. Hemachander, Associate Professor, Department of Nephrology Status: Data collection is going on	Self			
4	Sr. Divya Mathew, PGDMT, CMTER Guide: Dr. Sumathy Sundar, Head, CMTER Co-Guide: Dr. S. Easwaran, CHead, Department of Psyhiatry Status: Data collection is going on	self			
5	**A study of the effect of adjunct music listening on the outcome of depressive disorders (Post Graduate MD Dissertation)** Student investigator: Karthik Balakrishnan Guide: Dr. B Sivaprakash, Professor, Department of Psychiatry Co-Guide: Dr. Sumathy Sundar, Head, CMTER Co-Guide: Dr. Sunkanto Sarkar, Assistant Professor, Department of Psychiatry Status: Data collection going on	self			
6	**A study on the effect of music on labour pain and cervix dilation during the first stage of labour**	self			

	Student investigator: Jayapreetha R Guide: Dr. Sumathy Sundar, Head, CMTER Co-guide: Dr. Sunitha Samal, Assistant Professor, Department of Obstetrics & Gynecology Status: Data collection in progress				

b.Completed Projects:

Sl.No	PI, Co-PI and Project Title	Funding Agency
1	**Effect of music therapy during venepuncture in neonates**(Postgraduate MD dissertation) Student investigator: Dr. Haarika V Guide: Dr. Soundararajan P, Professor, Department of Pediatrics Co-guide: Dr. Sumathy Sundar, Head, CMTER	**Self**
2	**Effect of music therapy on pediatric pain and distress during immunizations** PI: Dr. Sumathy Sundar, Head CMTER Co investigators Bhuvaneswari Ramesh, Tutor, CMTER Priyanka Dixit, Music Therapist Dr. Soma Venkatesh, Asst. Prof. Department of Pediatrics Dr. Prarthana Das, Assistant Professor, Department of Pediatrics	**Department**
3	**Effect of Live music performance in ICU waiting area** PI: Dr. Sumathy Sundar Co Investigators Bhuvaneswari Ramesh, Tutor, CMTER Kala Varthan, **PGDMT student**	**Department**
4	**Effect of music therapy on blood pressure, heart rate and respiratory rate on pregnant women in III trimester** Bhuvaneswari Ramesh, Tutor, CMTER Guide: Dr. Sumathy Sundar Co Guide: Dr. Anandraj, Associate Professor, Department of Obs & Gyn	Self
5	**A Study on the effects of music therapy on anxiety of patients posted for upper gastro intestinal endoscopy procedure** PI: Dr. Sobana Jaiganesh Guide: Dr. Sumathy Sundar, Head CMTER Priyanka Dixit, Music Therapist	Self
6	**Realiability and content validity of the Tamil version of State and Trait Anxiety Inventory in a South Indian Hospital** PI: Dr. Sumathy Sundar, Head, CMTER Co investigator: Priyanka Dixit	Self

18. Inter-institutional Collaborative Projects and Associated Grants received (including clinical trials) :

The Department has total……12…… number of Collaborative Projects.

Abstract of Collaborative Projects:

No. of Projects from	Number of Ongoing Collaborative Projects	Number of Completed Collaborative Projects	Total
University funded	2		2
Department / Self funded	10	6	16
Total	12	6	18

19. Departmental Projects funded / sponsored by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, SBV, Self / Department sponsored etc.; Total Grants Received.

Nil

20. Research facility / Centre available to carry out research :-

- In the department (give details of facilities in brief) **:**

  musical instruments

21. Special research laboratories created /* sponsored *by Industry or Corporate Bodies / SBV:

22. A. Research Publications:

Number of papers published by the department faculty in peer reviewed journals (National / International / State / University)

Total Publications in Journals	Before joining SBV	After joining SBV
International Journals	**9**	**4**
S.B.V. University Journals		**1**
Total	**9**	**5**

B. Chapters in Books: Total …… Chapters in books published by …… Faculty.

Sl. No.	Name of the Faculty	Name of Chapter	Name of the Book / ISBN No.	Year	Name and Publisher
1	Dr. Sumathy Sundar	Music Therapy in India: Developmental Perspectives	International Perspectives in Music Therapy Education and Training: Adapting to a changing world	2015	Charles C Thomas Publisher Ltd. USA

C. Number of Research articles / publications listed in International Database *-13*

23. Details of Patents and income generated: **Nil**

24. Areas of Consultancy and income generated: **Nil**

25. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad

Dr.Sumathy Sundar, Consultant and Head visits IMC University of Applied Sciences, Krems Austria on Invitation regularly.

26. Faculty serving in a) National Committees b) International Committee c) Editorial Boards d) Any other (specify) (**N**: National; **I**: International)

Dr.Sumathy Sundar serves on the editorial board of two international journals.

1.Music and Medicine

2. Music Therapy Today

Sl. No.	Faculty	International Committees	Editorial Boards	
			N	I
1	Dr. Sumathy Sundar	Chair, Education and Training Commission, World Federation of Music Therapy Founding Member and Member of Board of Directors, International Association for Music and Medicine		2
2	Bhuvaneswari Ramesh	Assistant Student Delegate, South East Asia World Federation of Music Therapy		1

27. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

Sl. No.	Type of FDP	No. of Faculty who participated in the FDPs			Total
		State / University Level	National Level	International Level	
1.	Seminars / Symposia / Conferences			**2**	**2**
2.	CMEs/CDEs/MET/DET/Clinical meets		**4**	**4**	**8**
	TOTAL		**4**	**6**	**10**

28. Student Projects

It is mandatory for PG students to submit Dissertation for the successful completion of the programme. It is optional for a PG student to submit a project apart from mandatory PG Dissertations. UG students are encouraged to undertake ICMR STS Projects as well as SBV sponsored projects.

Number of Students Projects

Sl. No.	Projects	Ongoing	Completed	Total
1.	No. of PG Dissertations based on Research Work		**5**	**5**
2.	Any other Projects done by PG Students other than Dissertations			

- percentage of students who have taken up in-house projects including Inter-departmental projects :

- percentage of students doing projects in collaboration with other universities / Industry / institute :

29. Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students

Awards & Recognitions

Sl. No.	Received by	Number of Awards at				Number of Recognitions at			
		State/ University Level	National Level	International Level	Total	State/ University Level	National Level	International Level	Total

1.	Faculty	-	2	1	3			5	

The details of the awards and recognition received by the faculty are:

Sl. No	Name and Designation	Name of the Award / Recognition	State / University / National / International	Year and Date
1.	Dr. Sumathy Sundar, Consultant and Head, CMTER	***Music Therapy Advocacy Award*** from the World Federation of Music Therapy 2014 at Austria	International	July 2014
2.	Dr. Sumathy Sundar, Consultant and Head CMTER	***Health Care Excellence award in Music Therapy*** at the Indo-Global Health Care Summit and Expo, organized by the Indian Medical Association and the Indus Foundation, at Hyderabad, India	National	June 2014
3.	Dr. Sumathy Sundar, Consultant and Head, CMTER	***National Educational Excellence Award in Music Therapy*** from the Global Achievers Foundation, New Delhi, in December 2013.	National	Dec. 2013

The faculty members have been invited for keynote addresses/ as resource persons, panelists, chairing the sessions at conferences/seminars/workshops (Details of significant information, if any in the department documents).

Dr. Sumathy Sundar

1. Invited to speak at Best Practice Day on Nov.11,2015
2. Invited for a key note speech in Kottayam during International Conference on Science of Music on Sep.25, 2015
3. Presented spot light speech during the inauguration of the World Congress of Music Therapy at Austria in July 2014.

30. Seminars / Conferences / Workshops organized and the source of funding (State / National / International) with details of outstanding participants, if any.

Total Organized: ……

(International: …1….; National: …….; State: …….; University: …….; College: …….).

Extract of the data

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Level of Organization N / I / U / C	No. of Resource Persons I / E
1.	International Conference on Music Therapy "Current Trends in Music Therapy Education,	June 2015	150	Out of delegate fees and university		International 5 National 5

	Clinical Practice and Research"			funding		

N: National; I: International; U: University; C: College; I: Internal; E: External

***31. Code of Ethics for Research followed by the Departments*-ICMR**

***32. Student Profile program-wise - Students enrolled and performance*:NA**

***33. Diversity of Students:* NA**

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations – All India Entrance examinations / any other? Give details category-wise.

***35. Student Progression:* NA**

36. Diversity of Staff

Percentage of faculty who are graduates	UGs	PGs
of the same University		**10**
from other Universities within the State		55
from Universities from other States		25
from Universities outside the Country		10

37. Number of faculty who were awarded M.Phil, DM, M.Ch, Ph.D.,
NA

38. Present details of Departmental Infrastructural Facilities with regard to

A. Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	Department Library
36.	Project Reports of PG		3
37.	Project Report of Faculty		9

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. Of computers with Wi-Fi and LAN Internet Available
1.	Department		1

C. Total Number of Class Rooms, Seminar Halls etc. available for the Department.

Sl.NO.	Area	Exclusive	Common
1.	Class Rooms	1	

39. List of Doctoral, Post-Doctoral Students and Research Associates:**Nil**

40. A. Number of Post Graduate students getting Financial Assistance from the University.

Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, The need assessment helped in starting the course

42. Does the department obtain FEEDBACK from

Yes.

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The department utilize the feedback to change in teaching-learning-evaluation

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

43. List the distinguished alumni of the department (maximum 10) (based on PG / Superspeciality students at SBV or UG students of SBV who have completed PG in the subject of Department in other Institutions of India & Abroad).
NA

44. Give details of student enrichment programs-SEPs (Special Lectures / Workshops / Seminar) involving external experts during the last FIVE years

List of prominent International & National Level Resource Persons (of the department subject) visiting the Department/College.

45. List the teaching methods adopted by the faculty for different programs including Clinical Teaching –NA

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?-NA

***47. Highlight the participation of students and faculty in extension activities*-NA**

48. Give details of "beyond syllabus scholarly activities" of the department.-NA

49. State whether the program/ department is accredited/ graded by other agencies? -NA

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Applications of departmental research (eg. Research publications, surveys, trials and PG dissertations and other research inputs /outputs are as under:
  Research publications

1. Bharathi P, Jaiganesh K, Sobana R, Parthasarathy S. Effect of the Indian Raga Bageshri on the body temperature of cancer patients on chemotherapy. International Journal of Current Scientific Research.2012; 2(1): 243-5.
2. Bharathi P, Jaiganesh K, Sobana R, Parthasarathy S, Vadivel S. Effect of Rag Neelambari on certain physiological and behavioural parameters of preterm infants. Asian Journal of Paediatric Practice. 2012; 16(2): 23-6.
3. Sobana R, Jaiganesh K, Bharathi P. Role of Rag AhirBhairav as complementary and alternative medicine (CAM) on blood pressure in pre-hypertensive adults. Journal of Medical Science & Technology. 2013; 2(2): 66-70.
4. Bharathi P, Jaiganesh K, Sobana R, Ramesh R, Kuzhandaivelu V. Prognosis in music therapy interventions is associated with the emotional intelligence - alexithymia spectrum. The Antiseptic. 2013; 110(6): 292-4.
5. Sobana R, Jaiganesh K, Bharathi P. A study on the relationship of music therapy and the personality traits of neuroticism and agreeableness. National Journal of Research in Community Medicine. 2013; 2(1): 39-43.
6. Sobana R, Jaiganesh K, Bharathi P. A survey of the musical preferences of young adolescents newly admitted to the medical school. International Journal of Pharma and Bio Sciences. 2013; 4(3): 654-8.

7. Sobana R, Jaiganesh K, Kuzhandaivelu V, Vadivel S. A cross-sectional study on the autonomic modulations produced by music listening in anxious medical professionals. Research Journal of Pharmaceutical, Biological and Chemical Sciences. 2014; 5(3): 2038-43.

8. Sivaprakash B, Srinivasan AR. Music and health: An overview of music therapy and music medicine. Annals of SBV. 2014; 3(1): 12-15.

9. Sivaprakash B. A review of the anxiolytic effect of music and its clinical applications. Annals of SBV. 2014; 3(1): 16-24.

10. Sumathy S. Music therapy education in India: Developmental perspectives. In: Goodman KD, editor. International perspectives in music therapy education and training: Adapting to a changing world. Springfield: Charles C Thomas; 2015

11. Sumathy S. Understanding music therapy: Clearing misconceptions. Annals of SBV. 2014; 3(1): 8-11.

12. Sobana, R. Sumathy S, Priyanka, D. A study on the effect of music in reducing the anxiety of patients posted for upper GI endoscopy. International Journal of Pharma and Biosciences. 2015. 04/2015. April (6)(2): 307-313

Accepted for Publication

Bhuvaneswari Ramesh, Sumathy S, Anandaraj R. Effect of music therapy on blood pressure and heart rate on pregnant women in third trimester. (Asian Journal of Pharmaceutical and clinical research)

Parin Parmar, Sumathy S. Effect of chakra activation on body temperature of healthy individuals. (Journal of the Science of healing outcomes)

- New methods of diagnostics, tests, methods, skills for treatment and management are as under:

- Any other

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department. (in bullet form)

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1.	Innovation	Field is developmental and just growing	To create skilled professional music therapists	Recruiting staff
2.	Best Practice methods	Infrastructure is basic	To become a national resource centre	
3.	Pioneering	More research resources in the form of journals specific to music therapy	To become an international internship centre	
4.	Resourceful	Few external national		

		resources available		
5.	Enthusiastic team			

***52. Future Plans of the Department* : *Research*:**

To become engaged in research activities with in the research clusters formed from CMTER and increase interdisciplinary collaborations.
To increase faculty and student research activities from CMTER
To increase the availability of national and international journal to the students as resources.

Infrastructure(Physical & Learning Resources)

To make available exclusive sound proof air-conditioned music therapy room for patient care services(sanctioned to the department by the university and to be implemented)

Procurement of exclusive audio equipments and more musical instruments to further increase the resources(Sanctioned by the university and to be implemented)

53.

a. Salient and Unique Features of the Department

Curriculum design

- Innovative and inter-disciplinary course content
- Unique methods of teaching
- Innovative teaching approach
- Multidisciplinary faculty
- Hands-on experience
- State-of-the art research opportunities

Students learning outcome

- To produce skilled employable clinical music therapists
- To enhance their personality in physical, psychological and spiritual dimensions
- To make students reflective and become sensitive to the aesthetic and therapeutic qualities of music
- To develop a sense of commitment to the subject of music and its therapeutic use**.**

Central Inter-Disciplinary Research Facility (CIDRF)

1. ***Name of the Institution*** : Central Inter-Disciplinary Research Facility (CIDRF)

2. Year of Establishment : 2012

3. Names of Programs Offered : Ph.D. programme since 2013

Ongoing Collaboration with other Universities, Industries, Foreign Institutions, etc.

S.No	MOU with	Date	Collaboration	Industry/ Academia	International/ National (Int./ Nat.)
1	Indo-US 2ICT1collaborative Research Agreement	Nov 06, 2013	To discover and develop anti-cancer drugs	Industry	International
2	Dynadis Biotech	Mar 20, 2014	To engage in natural pigments	Industry	National
3	TheBiosciences.com	June 04, 2014	To develop bio informatics in translational medicine	Industry	International
4	AxioGen Biotech	Sep 09, 2014	To engage in natural pigment research and recombinant technology	Industry	National
5	National Engineering College, Kovilpatti	Nov 14, 2014	To engage in new chemical biosensors research	Academia	National
6	Letter of intend from Central Leprocy Teaching and Research Institute	SEP 12, 2014	to engage leprosy research and diagnostics	Academia	National
7	JIPMER, Puducherry	2014	To characterise platelet associated molecules in the pathogenesis of dengue – Supported by DBT, Govt. of India	Academia	National
8	Viswa immortality institute (USA)	Sep 10, 2015	Stem cell research and Therapy	Industry	International

Examination System

a. At the end of the first year of the doctoral programme
1. Research Methodology examination for Doctoral programme is conducted.
2. Subject specialization examination for Doctoral programme is conducted.
3. Periodic (once in 6 months) evaluation of progress in research by the doctoral committee

b. On completion of research work
1.Presentation of synopsis before submission of thesis on completion of research work.
2. Thesis evaluation by examiners.
3. vivo-voce

4. Participation of the Department in the Courses offered by other Departments

The Department is involved in the teaching of the courses offered by the following other departments. *Nature of Involvement:* Teaching Genetic classes conducted by Dept. Of Anatomy , - I MBBS, I BDS & MDS and B.Sc., M.Sc. Nursing offered by MGMC&RI, IGIDS KGNC

5. Faculty Profile with name, qualification, designation, area of specialization and experience

a. ***Research Scientists***

S.No.	Name	Qual.	Desig.	Specialization	Exp. At SBV (Total Exp)
1	Prof. Subramanian, G.	Ph. D	Director/Advisor	Microbiology	4 (51)
2	Prof. Shanmugam, J.	Ph. D	Sr. Dy. Director	Microbiology	1 (43)
3	Dr. Balanehru, S.	Ph. D	Dy. Director	Biochem. Oncol.	3 (27)
4	Dr Mangaiyarkarasi, R.	Ph. D	UGC-Emeritus Scientist	Marine Biology	1 (35)
5	Dr. Agiesh Kumar, B.	Ph. D	Sr. Scientist	Biotechnology	1(6)
6	Dr. Veni, S.	M.Phil., Ph. D	Scientist	Endocrinology	4 (4)
7	Dr. Pooja, P.	Ph. D	Scientist	Biochemistry	2 (5)
8	Dr. Doulathunnisa, J.	Ph. D	Scientist	Biomed. Sci.	2 (2)
9	Dr. Anitha, T.S.	Ph. D	Scientist	Animal Biotech.	1(1)

10	Ms. Uma, A.N.	M.Phil., Ph. D*	Asst. Prof.	Medical Genetics	10 (10)
11	Mr. Sam Vijay Kumar, J.	Ph. D*	Scientist	Biomed. Sciences	1 (1)

* - Thesis Submitted

b. Research Fellows

S.No.	Name	Qual.	Desig.	Specialization	Exp. At SBV (Total Exp)
1	Ms. Farzana Begum, L.	Ph. D*	DBT, SRF	Biomedical Sciences	1 (1)
2	Ms. Karthika, S.	M. Sc	DBT, JRF	Biotechnology	1 (1)
3	Ms. Preethi, S.	M. Sc	DST-INSPIRE	Biotechnology	2 (2)
4	Ms. Akshayavardhani, A.	M. Sc	SBV	Biotechnology	2 (2)
5	Mr. Rakesh Sharma, M.	M. Sc	SBV	Applied Microbiol.	1 (1)

* - Thesis Submitted

***9. Faculty of the Department as Ph.D Guides at SBV* :**

Sl.No.	Name of the Faculty as Ph.D Guide	No. of Ph.D Students Registered at SBV under the Faculty Guiding
1	Dr. Balanehru, S.	1 full time + 1 part time
2	Dr. Pooja, P.	2 full time

10. Number of Academic support staff (Technical) and Administrative staff: Sanctioned, Filled and Actual:

S.No.	Staff	Name of the Post	Filled / Actual (Including CAS & MPS)		
			M	F	Total
1	Support Staff (Technical)	Clean room technician	1	0	1
2	Support Staff (Lab)	Lab technical assistant	1	1	2
3	Administrative Staff	Secretary	0	1	1
4	Others	Attendant	1	1	2
Total			3	3	6

11. Ongoing Research projects as supported by major funding agencies and SBV

1. Evaluation of scientific therapeutic efficacy of chosen medicinal plants
2. Molecular mechanisms in Glioblastoma

3. Microbial signature and its implications in Colorectal cancer
4. Obesity associated carcinogenesis
5. Effect of artificial sweetners in Alzheimer's progression
6. Breast milk and Colostrum stem cells
7. TAG/HDL-C and ion ratios in T2DM
8. Gutmicrobiota in children and urinary lithogenesis
9. *H. Pyroli* virulence in alcoholics & non-alcoholics , therapeutic approaches in eradication
10. Influence of heavy metals in Autism
11. Rapid diagnostic kit for Myocardial infarction
12. Systemic diseases in quorum sensing bacteria in Denture base plaques.
13. Musical interferences with anesthesia
14. Evaluation of plasma bupvicane concentration following local anesthesia.

12. Ongoing and completed projects from a) National agencies b) SBV
Give the names of the funding agencies, Project title and grants received project-wise.

Abstract of ongoing projects

Sl. No	Type of funded projects	No. of Projects			Total grants Sanctioned (Rs. In Lakhs)
		Ongoing	Completed	Total	
1.	Faculty Projects	4	0	4	109.35
2.	Inter-institutional Collaborative Projects	14	0	14	65.34
3.	Students Projects	1	4	5	22.13
	Total	19	4	23	177.97

1. List of research projects in CIDRF

Total……**6**……Grant value **Rs. 109.35 lakhs** from **……3……** National funding agency received by **…5…** scientists.

S.No	PI and Co-PI	Title of the R&D Project	Funding Agency	Grant sanctioned (in Lakhs)	Year	Duration (years)
1	Drs. Balanehru, S., Veni , S.	Prophylactic potential of the extract of the bark of Terminalia arjuna (Roxb.ex.Dc.) Wight & Arn. In preventing osteoporosis – [BT/PR7658/ BD/17/842/2013]	DBT, Govt. of India	31.80	2013-2016	3

2	Ms. Preethi, S.	Evaluation of CD147, as a potential target for cancer therapy.	DST, Govt. of India	20.80	2014-2019	5
3	Dr Mangaiyarkarasi, R.	Extraction of BIO ACTIVE COMPOUNDS from Marine Algae and its Therapeutic application	UGC, Govt. of India	29.00	2015-2018	3
4	Dr. Pooja, P.	To study the transcriptional control of CD147 expression in glioblastomas through cell lines.	DBT, Govt. of India	24.00	2015-2018	3
5	Dr. Pooja, P.	To study the interplay of proinflammatory cytokines and chemokines associated with the innate immune system with concomitant microRNA expression profile from adipocytes and macrophages using cell lines under co-culture conditions mimicking obesity	SBV	01.75	2014-2015	1
6	Dr Doulathunnisa, J.	To Study the effect of artificial sweeteners on miRNA expression that regulate the Alzheimer's progression	SBV	02.00	2014-2015	1
	Total			109.35		

2. Inter-institutional Collaborative Projects

a) Total 3 Grant value **Rs. 46.49 lakhs** from **2** National funding agencies SBV among 2 collaborators received by **1** scientist.

b) Total 11 Grant value **Rs. 18.85 lakhs** from SBV among 3 collaborators received by **10** scientists.

a) List of Collaborative Project funded by National agency:

S.No	PI and Co-PI	Title & scope of the R&D Project	Funding Agency	Grant Received in Lakhs	Year	Duration (years)	Collaborators

1	Dr. Agiesh Kumar, B. PI	BT/PR8628/MED/29/756/2013- Platelet associated Molecular Targets for inflammation, vascular integrity, Thrombocytopenia and Disease severity in Dengue infection	DBT, Govt. of India	6.15	2014-2017	3	JIPMER
2	Dr. Agiesh Kumar, B. PI	2013-1272- Nanoparticle encapsulated RNA interference study on cuticle genes: A potential target for insecticidal resistance of dengue vector	ICMR, Govt. of India	40.34	2014-2017	3	SASTRA Univ
3	Dr. Agiesh Kumar, B. Co-PI	2012-1766- Gene expression profile of selected oxidant-anti oxidant genes in dengue using peripheral blood mononuclear cells and their correlation with disease severity	ICMR, Govt. of India	0	2014-2017	3	JIPMER
		Total	**2**	**46.49**			**2**

b) List of Collaborative Project funded by SBV:

S. No	PI , Co-PI and Project title	Title & scope of the R&D Project	Funding Agency	Grant in Lakhs	Year	Collaborators
1	Drs. J.Shanmugam., Anitha T.S., Karthiga J.	Selective colonization of gut microbiota in children with intestinal parasitic worm load	SBV	1.5	2014-2015	SSSMC&RI Microbiol.
2	Drs. Srinivasan, J, Agiesh Kumar B and Balanehru S.	Effect of systemic disease on quorum sensing bacteria on acrylic denture base plaque.	SBV	1.5	2014-2015	IGIDS

3	Drs. Hemanth Kumar, Ravishankar, Sumathy Sundar, A.R.Srinivasan, B.Sivaprakash, S. Karthika and Balanehru S.	Does distraction and active focus of attention with music enhance patient's comfort under regional anesthesia? A randomized controlled study.	SBV	0.75	2014-2015	MGMC&RI Anesth., Music Therap Biochem. Psychiatry,
4	Drs.T.Sivashanmugam, M.Ravishankar, Doulathunnisa J. and Balanehru S.	Prospective randomized evaluation of plasma bupivacaine concentration following extrafascial vs subfascial injection of local anesthetic during US-guided supraclavicular brachial plexus block.	SBV	1.5	2014-2015	MGMC&RI Anesthesiology
5	Drs. Balanehru S., and Arun Prasad.	A quick myocardial infarction early detection kit.	SBV	5.0	2014-2015	MGMC&RI Cardiology
6	Drs. AR Srinivasan, Srikanth, Niranjan, Veni S and Balanehru S.	Evaluation of TAG/HDL-C and magnesium/iron ratios with particular reference to VEGF-A, glycemic control and insulin resistance in patients with T2DM	SBV	0.6	2014-2015	MGMC&RI Biochem. Opthamol.
7	Drs. N. Ananthakrishnan, Chetan Anand, Farzana Begum L and J. Shanmugam.	Evaluation of nested PCR vsfecal antigen testing for H.pyroli in documentary eradication after H.pyroli	SBV	1.5	2014-2015	MGMC&RI Surgery
8	Drs. N. Ananthakrishnan, Chetan Anand, Farzana Begum L and J. Shanmugam.	Effect of H. pyroli eradication therapy on clostridium difficle.	SBV	1.5	2014-2015	MGMC&RI Surgery

9	Drs. Kalyan Ramkone, Doulathunnisa J, Anitha TS and J. Shanmugam.	Differnces in gut microbiota as modifying factors in urinary lithogenesis in predisposed primary and recurrent stone formers.	SBV	1.5	2014-2015	MGMC&RI Urol.
10	Drs. Ganesh Babu, R. Kalaivani, Thirou Aroul, Sam Vijay Kumar J, Balanehru S.	A comparitive Study of microbial signature among colorectal cancer patients and healthy individuals.	SBV	1.5	2014-2015	MGMC&RI Surgery
11	Drs. Kannan, N. Ananthakrishnan Farzana Begum L and J. Shanmugam.	Comparive study of virulence of H. Pyroli in patients with functional dyspepsia in alcoholics and non-alcoholics.	SBV	2	2014-2015	MGMC&RI Surgery
	Total			18.85		3

13. A. Research facility / Centre available to carry out research :-

An exclusive state-of-art research facility to carry out research in following areas is available and open to the entire university

1. Personalised Medicine : *Genomic medicine, Biomarker*
2. Regenerative medicine : *Stem cell research, Induced pluripotent stem cells, Tissue bio-engineering*
3. Insilico Therapeutics: *Bioinformatics, Drug designing/modeling*
4. Developmental Therapeutics: *Diagnostics, Drug discovery/development/delivery*
5. Evidence based traditional system of medicine: *AYUSH drugs and therapies*

B.Research facility / centre with: (recognised by national and international agencies for providing assistance for research)

State Recognition / National Recognition / International Recognition:

- All agencies of Government of India and State Governments

14. Research Publications:

A. Number of papers published by the department faculty/Research Fellow in peer reviewed journals (faculty publications National / International / in SBV

	2010	2011	2012	2013	2014	2015	Total
No. of Publications in Databases	1	5	1	2	6	3	18
Citation Index – Range / Average	0	3	0	0	0	0	3
Impact factor (Range / Average)	-	0-7.12	-	-	1.22-4.4	2.35-4.4	1.22-7.12
h-index	10	1	1	1	1	1	1
National/International	International	2-National	International	International	International	International	International

B. Number of Research publications listed in International Database published In SBV
*……..**5**……..No. of faculty published ……**18**……..no. of publications in SBV*

C. Monographs: Total …**1**…… Monographs published by ……**1**…… Faculty.

Sl. No.	Name of the Faculty	Topic of Monograph	Print *or* Online	Year
1.	Dr. Mangaiyarkarasi	Seaweed haemagglutinins, Recent Advances on Applied aspects of Indian Marine Algae with References to Global, Monograph, Volume 2. pp 262-269 (2006).	Online	2006

D. Chapters in Books: Total ……**3……** Chapters in books published by ……**2**… Faculty.

Sl.No.	Name of the Faculty	Name of the Book / ISBN No.	Year
1	Dr Mangaiyarkarasi, R.	Mangaiyarkarasi, N, S. Arul Jothi Selvi. Text book on Introduction to Marine Biology pp200 (2007).	2007
2	Dr Mangaiyarkarasi, R.	Mangaiyarkarasi, N, S. Arul Jothi Selvi.Text book on Outlines of Zoology pp152 (2007).	2007
3	Dr.Agiesh kumar B.	Nanobiotechnology perspectives: Role of nanobiotechnology in medical and dental health. ISBN-9789385516030 NewIndia Publishing agency (NIPA), New Delhi	2015

E. Books edited: Total ……**1**…… books edited by …**1**…… Faculty.

Sl. No.	Name of the Faculty	Name of the Book / ISBN No.	Year and edition	Name and Place of Publisher

1	Dr. Balanehru, S.	Handbook of Anticancer Drug Development, (eds.) Budman DR, Calvert AH and Rowinsky EK. Lippincott Williams & Wilkins, PA, USA. British Journal of Cancer 91: 606-606, 2004	2004	Lippincott Williams & Wilkins, PA, USA.

F. Books Published with ISBN with details of publishers:

Total……**9**…Books with ISBN published by……**4**…… Faculty.

S. No.	Name of the Faculty	Name of the Book / ISBN No.	Year and edition	Name and Place of Publisher
1	Prof. G. Subramanian	Manual of Techniques in Cyanobacterial Research, NFMC, Tiruchirappalli.	1992, 2002, 2008,2009	*Indian Publication - Oxford IBH, American Publication* - Scientific Publishers, USA
2	Prof. G. Subramanian	Proceedings of the National Seminar on " Cyanobacterial Research - Indian Scene" NFMC, Tiruchirappalli	1993	
3	Prof. G. Subramanian	A Decade of Cyanobacterial Research in India, NFMC, Tiruchirappalli	1996	
4	Prof. G. Subramanian	Cyanobacterial Biotechnology - 1998 (Proceedings of the International Symposium, September 18-21, 1996).	1998	
5	Dr. Balanehru S.	**Subramanian, B**., Pietraskiewicz, H., Media, J. and Valeriote, F. In vitro model for defining neurotoxicity of anticancer agents. Marine Pharmacognosy: From Beach to Bedside, Chapter 9, 2015 (in press)	2015	
6	Dr. Balanehru S.	Subramanian, B., Nakeff, A. and Valeriote, F. From FISH to Proteomics: A molecular brush to define antitumor drug action. In: Shimkets, R.A. and LaRochelle W.J. (eds.), The Oncogenomic Handbook: Understanding and treating cancer in the 21st century. Humana Press Inc, 53-67, 2005.	2005	Humana Press Inc., USA
7	Dr. Balanehru S.	Nakeff, A. and Subramanian, B. (eds.), Genomics and proteomics in cancer: Proceedings of the 3rd Samuel A. Latt conference, Detroit, Michigan. Cytometry 47:44-45, 2002.	2002	willey, USA

8	Dr Mangaiyarkarasi R.	Ravirajan Mangaiyarkarasi, L Kannan and M Srinivasan.Extraction and Characterization of Lectin from Indian Seaweeds. /LAP. ISBN: 978-3-8484-4415-1, pp68 (2012).	2012	Lambert Academic Publishing, Germany
9	Mr. Sam Vijay Kumar J.	The 5 minute researcher: Doing better research is steps away. ISBN-10 – 1495952703 ISBN-13 – 9781495952708	2014	Createspace, USA

15. Details of Patents and income generated:

Patents filed : National : ……**2**…… ; International : ……**0**…… ; Total : …**2…**…… ;

Details of Patents filed: 2

1. Provisional patent filed on JUNE 16, 2014 on "Process of using natural carotenoids as coloring agents for characterization of acrylic denture bases", submitted to Indian Patent Office, Chennai.

2. Provisional patent filed on JUNE 16, 2014 on "Process of using natural pigments as coloring agents for characterization of silicone prosthesis customized to patients needs", submitted to Indian Patent Office, Chennai. **UNDER PROCESS.**

16. Faculty selected Nationally / Internationally to Visit other Laboratories / Institutions / Industries in India and abroad: *Number of visits to other institutes - 9*

Sl. No	Name of the Faculty	Place of visit	Year	Purpose
1	Dr. Veni, S.	NCRM, Chennai	2011	Facility visit
2	Dr. Balanehru, S. Dr. Veni, S.	NCRM, Chennai	2013	Academic meet
3	Prof. Subramanian, G. Dr. Balanehru, S. Dr. Veni, S.	SSSMC&RI, Chennai	2013	Academic meet
4	Dr. Balanehru, S.	TANUVAS, Chennai	2014	Collaboration
5	Dr. Balanehru, S.	CLTRI, Chengalpattu	2014	Collaboration
6	Prof. Shanmugam, J. Dr. Balanehru, S.	TRPVB-TANUVAS, Chennai	2015	Facility visit
7	Prof. Shanmugam, J. Dr. Balanehru, S.	C-CAMP, Bangalore	2015	Facility visit
8	Prof. Shanmugam, J. Dr. Balanehru, S.	Madurai Kamaraj University, Madurai	2015	Facility visit
9	Prof. Shanmugam, J.	RIVER, Govt. of Puducherry	2015	Collaboration

17. Faculty serving in Scientific Committees/Editorial Boards/ Any other (specify)

Committees **:** International……12…..; National…22…,

Editorial Board **:** International…5…; National…20…

Abstract of international national committees/editorial boards

S.No.	Faculty	Committees		Editorial Boards	
		International	National	International	National
1	Prof. Subramanian, G.	4	4	2	2
2	Prof . Shanmugam, J.	6	10	3	17
3	Dr.Balanehru, S.	1	0	0	0
4	Dr. Veni, S.	0	1	0	0
5	Dr. Pooja P.	0	1	0	0
6	Dr.Doulathunnisa J.	0	1	0	0
7	Ms. Uma, A.N.	0	0	0	1
8	Mr.Sam Vijay Kumar, J.	0	4	0	0
9	Ms. Farzana Begum, L.	1	1	0	0
	Total	**12**	**22**	**5**	**20**

18. Faculty Development and recharging strategies (Refresher / Orientation Programs, Workshops, Training Programs and Similar Programs).

No. of Faculty who attended …**9…**.International …**4**…; National …**24**

S. No	Type of FDP	National	International	Total
1.	Workshops	5	2	7
2.	Seminars / Symposia / Conferences/ Annual Summit/Colloquium	4	2	6
3.	CMEs/CDEs/	26	0	26
	TOTAL	35	4	39

19. Student Projects: UG students are encouraged to undertake short term research projects

Number of Students Projects completed: …4…(ICMR-STS)

S.No	PI, Co-PI and Project Title	Funding Agency	Grant from ICMR (Lakhs)	Grant from SBV (Lakhs)	Year	Duration	Outcome
1	**"**Isolation and Validation of Stem Cells from Colostrum and Breast Milk"						

	Dr. Ramya Kumar, Dr. Balanehru S, Mr. Sam Vijay Kumar, Ms. Silambarasi CIDRF, MGMCRI.	ICMR-STS, SBV	0.1	0.65	2014	2 months	We have demonstrated the existence of cells with differentiation capability in colostrum, which has to be validated with a larger sample size.
2	"The effect of crude extracts of traditional medicinal plants on the enzymes involved in Alzheimer's disease."						
	Dr. Mangalagowri Prof. G. Subramanian Ms. Farzana begum L, Bhavithra CIDRF, MGMCRI.	ICMR-STS, SBV	0.1	0.65	2014	2 months	One poster presented at International conference - A manuscript has been submitted
3	"To study the evaluation of heavy metals in blood of autistic children of Puducherry, UT "						
	Dr. Madanmohan, Dr. Balanehru S, Dr.Doulathunnisa, Ms. Karthika S, C. Srivalli CIDRF, MGMCRI.	ICMR-STS, SBV	0.1	0.03	2014	2 months	Lead level in Plasma of Autism subjects is significantly low when compared to control subjects
4	"Frequency of satellite association in smoker and non smokers."						
	Ms. A.N. Uma, S.Raj	ICMR-STS, SBV	0.1	0	2010		The student made a national and international presentation and the abstract was published in Australasian Medical Journal in 2012
	Total		0.4	1.33			

20. *Awards / Recognitions received at the National and International level by Faculty / Doctoral / Post Doctoral Fellows / Students*

Number of faculty with awards/recognitions: …**15**…
Awards: International…**21**…; National…**83**…
Recognitions: International…**9**…; national …**76**…

Awards & Recognitions

Sl.No.	Received by	Number of Awards at			Number of Recognitions at		
		National Level	International Level	Total	National Level	International Level	Total
1	Prof. Subramanian, G.	5	1	6	17	0	17
2	Dr. Shanmugam, J.	13	9	22	55	9	64
3	Dr.Balanehru, S.	6	3	9	4	0	4
4	Dr Mangaiyarkarasi, R.	7	2	9	0	0	0
5	Dr. Agiesh Kumar B.	2	3	5	0	0	0
6	Dr. Veni, S.	1	0	1	0	0	0
7	Dr. Pooja, P.	4	2	6	0	0	0
8	Dr.Doulathinissa, J.	6	0	6	0	0	0
9	Dr. Anitha T.S.	2	0	2	0	0	0
10	Ms. Uma, A.N.	12	2	14	0	0	0
11	Mr. Sam Vijay Kumar, J	6	0	6	0	0	0
12	Ms. Farzana Begum, L	4	0	4	0	0	0
13	Ms. Akshayavardhani, A.	1	0	1	0	0	0
14	Mr. Preethi, S.	5	0	5	0	0	0
15	Ms. Karthika, S.	1	0	1	0	0	0
	Total	**82**	**22**	**104**	**76**	**9**	**85**

21. Conferences / Workshops/Colloquium/Annual Summits organized and the source of funding.

***Number of events* organized**: …**4…** (International: …**2**….; National: …**2**….;)

Sl. No.	Name of the Event	Year & Date	Total number of Participants	Source of Funding	Type	No. of Resource Persons
1	Annual Summit	Sep 6, 2013	154	SBV	International	10
2	Colloquium	June 2, 2014	72	SBV	International	8
3	CME	Mar 28, 2015	130	Pvt. Sponsor	National	8

4	CME	May 21, 2015	150	SBV	National	8

22. Number of faculty /research fellows who were awarded M.Sc, M.Phil, DM, M.Ch, Ph.D., D.Sc./D.Litt/DNB/DM/M.cH./ FRCS/FRCP/MRCP / any other higher degree after PG.

Before joining SBV:

S.No.	Name	Degree
1	Prof. Subramanian, G.	Ph.D
2	Prof. Shanmugam, J.	Ph.D, FIVS, FABMS, FIMSA, FICPath, FACE, FRSTMH
3	Dr.Balanehru, S.	Ph.D
4	Prof. Mangaiyarkarasi, R.	Ph.D., FRSB
5	Dr. Agiesh Kumar, B.	Ph.D
6	Dr. Pooja, P.	Ph.D
7	Dr. Anitha, T.S.	Ph.D
8	Ms. Uma, A.N.	M.Phil
9	Mr. Sam Vijay Kumar, J.	M.Sc.
10	Ms. Farzana Begum, L.	M.Sc.
11	Ms. Akshayavardhani, A.	M.Sc.
12	Ms. Preethi, S.	M.Sc.

After joining SBV (2008 – 2015):

S.No.	Name	Degree	Year
1	Dr. Veni, S.	Ph.D	2012
2	Dr. Doulathunnissa, J.	Ph.D	2014

23. Present details of Departmental Infrastructural Facilities with regard to

A.Library :

Sr. No.	Infrastructural facility for Teaching	Central Library	CIDRF Library
6.	No. of Books	21,506	29
7.	No. of Journals	136	8
8.	No. of e-Journals	2792	-
9.	P.G. Dissertations	349	-
10.	Project Report of Faculty	-	1 (I yr annual report)-DBT

B. Computer and Internet facilities for staff and students available at Department

Sl. No.	Area	Total No. of Computers Available	Total No. of computers with Wi-Fi and LAN Internet Available
1.	Director	1	LAN
2.	Deputy Director	1	LAN
3.	Scientist Office	2	LAN
4.	Front office	1	LAN
5.	Insilico therapeutic lab	2	LAN
6.	Conference room	1	LAN
	Total	8	

C. Total Number of Rooms/Lab available in CIDRF

Sl.NO.	*Area*	*Exclusive*
1.	Front office	Yes
2.	Director's office	Yes
3.	Senior Deputy Director's office	Yes
4.	Deputy Director's office	Yes
5.	Scientist office	Yes
6.	Server room	Yes
7.	Conference Room	Yes
8	Microbiology lab	Yes
9	In silico therapeutics lab	Yes
10	Analytical Chemistry lab	Yes
11	Genomics and Proteomics lab	Yes
12	Culture lab	Yes
13	Functional cytometry lab	Yes
14	Developmental therapeutics lab	Yes
15	Preparatory and Store room	Yes
16	Gas manifold	Yes
17	RO water plant	Yes
18	Cold room	Yes
19	Store room	Yes
20	Change over room	Yes
21	Dump room	Yes
22	Dining room	Yes

D.List of major equipments and instruments of the department for teaching, learning, research, clinical diagnostic tests. (Name of Equipment, Model and Make, Approx. Cost, Functional Status & A.M.C)

Details of major equipments like Bio-safety cabinets class II& III, laminar flow hood, fume hood, incubators, highspeed refrigerated centrifuges, deep freezers, microscopes, HPLC, Real time PCR, PCR, blotting apparatus, gel documentation unit, cell counter etc.,

24. List of Doctoral, and Research Fellows:

From	**Doctoral Student**	***Research Fellows***	**Total**
SBV- full time	3*	3*	3*
SBV- part-time	1	0	1
Total	4	3	4

*One DST-INSPIRE Resaerch Fellow has been enrolled in Ph.D.

25. Number of fellowships obtained

S.No.	Type of Financial Assistance	Course/ Programme	Year	No. of Students	Amount
1	Emeritus Fellowship (UGC)	-	2015-2018	-	31000 pm + 50000 contigency py
2	Scholarship (DST-INSPIRE)	Ph. D.	2014	1	16000+20% HRA pm
3	SBV	Ph. D.	2014	2	12000+20% HRA pm

26. Does CIDRF obtain FEEDBACK ?:

a. Faculty on research and development? If yes, how does CIDRF utilize the feedback?

Yes from faculty visitors

S.No.	Feedback from	Feedback	Outcome
1	Prof. K.R.Sethuraman. VC, SBV	Need to undertake inter-disciplinary research to find better answers to complex and critical research	Interactive sessions with clinical, non-clinical and dental professionals culminated in initating projects in various fields and remarkedly promoted by SBV funding. Within few months projects became effective and few are in pipeline.
2	Dr.Madan Mohan, HOD Physiology, MGMCRI	To undertake inter-departmental research in Yoga	
3	Dr.S. Srinivasan, HOD Pediatrics, MGMCRI	To undertake research studies with CIDRF…	
4	Dr.Pratheesh.R., HOD Neurosurgery, MGMCRI	Much needed impetus to research at SBV….	
5	Prof. Ananthakrishnan. Dean (Research & PG studies), SBV.	Evidence based research in the practice of integrative medicine…	Two brain storming sessions lead to annual summit Sanjeevita 2013 which brought together professionals of traditional and modern systems of medicine Potential areas of research were identified and suitable measures were undertaken
6	Dr. P. Karthikeyan, HOD ENT, MGMCRI	Initiating research which will benefit patients….	Projects related to development of diagnostic tools for infectious and non-infectious diseases have been planned
7	Dr. Eswaran, Psychiatry, MGMCRI	Opportunity for doctors to get into research!....	
8	Ms.Iswariya Devi, MBBS student	Opened eyes to the world of research including a constant source of	Encouraged MBBS students to undertake ICMR-STS projects and results obtained have been

		guidance and encouragement	presented in national and international conferences
9	Fazil Ali, MBBS Student	Research goes beyond pleasure working boundaries.	

b. ***Visting and collaborating scientists on research and development? :*** *Yes*

1. Former President Bharat Rathna Dr. APJ. Abdul Kalam during his visit to CIDRF was impressed by the facility and motivated our staff and students towards research excellence.
2. Dr. S.R.Rao and Dr. T. Madan Mohan, DBT Advisors, Mr. Sanjay Goel, Director (DBT Finance), have shown interest to join as partner in research and signed a MoA with DBT, Govt. of India for a grant. In continuation, we have successfully obtained a DBT grant in multi-disciplinary research.
3. Padmashree Prof. Mohan Kameswaren, Director of Madras ENT Research Foundation visited and appreciated the research endeavour.
4. Visitors from AYUSH,New Delhi; InStem- NCBS, Bangaluru; Pondicherry University, Rajiv Gandhi Institute of Veterinary Education & Research, Pondicherry showed interest in establishing research collaboration.
5. Prof. S.P.Pani, Deputy Dean, Quest International University, Malaysia signed an MoU for a project and two more are in pipeline.
6. Dr. E.S.Prakash, Mercer University School of Medicine, Macon, USA. Wanted translational research to be fostered.
7. Padma Vibhushan Prof. M.S. Valiathan, Advisor Manipal University encouraged integrated medical research.
8. Dr. Edwin Michael, University of Notredame, USA Signed a MoU along with department of medical informatics.
9. Dr. Sankar Navaneethan, Cleveland Clinic, Dr. Sharmila Roy Chowdhary, Indiana University and Dr.Mittu Mehta, Boston USA have visited CIDRF and shown keen interest in collaborative research.

27. Give details of research enrichment programs-REPs involving external experts during the last FIVE years

1. Number of REPs conducted during the last Five Years ……4…….

Details are as follows:

Sl. No.	Name of Program	D / M / Y	Place	Name of the Expert	
				External	Internal
1.	Sanjeevita - 2013 (An Annual Summit)	Sep 6, 2013	Puducherry	Prof. M. S. Valiathan Dr. G. Ganapathy Dr. P. Muralikrishna Dr. N. Balaji Dr. P. H. Ananthanarayanan Dr. Samuel JK Abraham	Prof. K. R. Sethuraman Dr. Madan Mohan

				Prof. SP Thiyagarajan Dr. Prakash Rao	
2.	SiR-2014 (National Colloquoium)	June 20, 2014	Puducherry	Dr. Michael Edwin Dr. Mukesh Doble Prof. Basant. K Tiwari Mr. B.S. Kathikeyan	Prof. K. R. Sethuraman
3.	National Seminar on Blood Stream Infection (CME)	March 28, 2015	Puducherry	Dr. Jagadeesan Dr. Abdoul Hamide Dr. K. Lalitha Dr. Radha Madhavan Dr. D. Suresh Kumar Dr. M. Narayanan	Prof. J. Shanmugam Dr. J. Sameer Dr. K. Renuka
4.	CME An update workshop on research methodology & medical writting	May 21, 2015	Chennai		Prof. J. Shanmugam Dr. KA. Narayanan Prof. N. Ananthakrishnan Dr. Ezhumalai Dr. B. Narasimha Rao, SSSMCRI
5.	National workshop on PCR Techniques	October 29-30, 2015	Puducherry	Dr. Pandurangan Ramaraj (USA)	Dr. Balanehru S Dr. Agiesh Kumar Dr. Doulathunnisa J Dr. TS. Anitha
6	National Symposium on Molecular T echniques in Diagnosis and Research	October 31, 2015	Puducherry	Prof. SP Thyagarajan Prof. K.Dharmalingam Prof. C. Adithan Dr. Lily Therese Dr. Priya Abraham Dr. Malali Gowda Dr. Thanumalayan	Prof. J. Shanmugam

28. In house Research Scholar Training – Methodology/coursework/Training

S.No	Topics for research methodology and Bio-Statistic syllabus includes
1	Selection of research question, research process, process of writing a research proposal, scientific writing for thesis and research publications
2	Review of Literature
3	Scales of Measurement [disease frequency & association, prevalence, incidence, crude, specific and adjusted (standardized) rates, sensitivity, specificity, relative risk, odds ratio, attributable risk and interpretation of measures of association]
4	Types of study (Case-control studies, Cohort studies, Interventional studies)
5	Evaluating the role of bias and confounding

6	Statistical methods
7	Ethics and biomedical research
8	Ethical guidelines for experimental animals

29 . Highlight the participation of students and faculty in extension activities.

Sl. No.	Extension activities	Year / Date	No. of Beneficiaries
1.	Panel discussion on 'Current concepts in integrative medicine'	Sep, 2013	250
2.	National science day oration lecture at PSBB Millennium School	Mar, 2015	200
3.	Woman's day interview about research in Rainbow FM, Puducherry	Mar, 2015	Public
4.	Public awareness marathon for 'organ donation'	Aug 2014	Public
5	Medical education – coaching towards medical	Apr 2013 – Mar 2014	250
6	Poster competition on 'Rejuventation' for faculty and students	Sep, 2013	150
7	HPLC demonstration to Dept. of Pharmacology, MGMCRI	2014	10

30. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

CIDRF is a Department of Scientific Industrial Research Organization (SIRO Certified) recognized Facility. (Ref No. : F No. 14/606/2012-TU-V) yet to be accredited.

31. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

1. Genetic screening protocols for use in routine diagnosis for congenital defects/diseases
2. Integrated research promotion among medical students
3. Clinicians were made to be involved in research activities in collaboration with CIDRF
4. Through CMEs and conferences, we have sensitized need-based research among medical, dental and nursing professionals

32. *Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.*

Sl. No.	Strengths	Weaknesses	Opportunities	Challenges
1	Innovative Environment	Inter-institutional SOP harmonization and Time management	Infuse advanced technology into clinical practice	Acceptance by public funded institutions
2	Growing reputation in biomedical research	Perception as a private entity in general terms	Pondicherry's cosmopolitan population	Diversified research agenda

3	Medical, dental, nursing and CIDRF Inter-institutional network	Heterogeneity among scientists, medical, dental and nursing professionals	Integrate, involve and engage nonclinical research institutions in Pondicherry	Feeble representation for scientific community
4	Access to patients, clinical samples	Experimental animal research	Address regional health challenges	Deferred return in translational research
5	Young motivated investigators	External funding	Foster regional skill development for continued research by future generations	Manpower attrition

***33. Future Plans of the Department* :**

i. Academics: Newer courses:
   1. Laboratory Animal Research Assistant (LARA) certification programme
   2. Animal Research Co-Ordinator (ARC) certification programme

ii. Research :
   1. Tissue bio-engineering: induced pluripotent stem cells
   2. Cell banking: Cord blood stem cells
   3. Developmental therapeutics: Plant and marine based therapeutic
   4. Nanotechnology: Nanomolecules for drug delivery
   5. Diagnostics: Biomarker development
   6. *Insilico* therapeutics: Drug target identification

iii. Infrastructure (Physical & Learning Resources):
   1. Addition of 1400 sq ft of laboratory space to increase the work area
   2. Development of a digital archive of journals and scientific communications

iv. Development Programmes

Continuation of the following
   1. Journal clubs
   2. Seminars
   3. Annual Summits/Conferences
   4. CME/Workshops
   5. Industrial/academic training

34.

a. Salient Features of the Department

v. We are a Department of Scientific and Industrial Research Organization (SIRO) recognized state-of-art biomedical research centre fostering inter-disciplinary research amongst constituent colleges of Sri Balaji Vidyapeeth.

vi. The infrastructure established is unique in this region of the country: a multi-crore 10,000 sq.ft nodal research facility with stem cell research, genomics-proteomics, analytical chemistry, developmental therapeutics and microbiology facility.

vii. The staffing of CIDRF encompasses young scientists; well established scientists and

research scholars, working on areas integrating latest as well as pivotal aspects of medicine.

viii. We have a validated and regulated multi-level clean rooms (up to Class 1000) BSL-II facility for processing human cellular products for research as well as clinical applications.

ix. Our infrastructure includes:
    a. Cryopreservation facility
    b. -80 & -20 degrees Celcius freezers
    c. Biosafety Safety Cabinets (Level-III)
    d. Walk-in cold room facility maintained at +4 to +8 degrees Celcius

x. Laboratory safety is ensured with smoke-fire detectors, fire extinguishers, emergency water shower for face, eye and whole body.

xi. Defined environment (particle counts, temperature, humidity and pressure) is ensured with the aid of four air-handling units and HEPA filters.

xii. The facility is enabled with capabilities for:
    a. Dedicated stem cell isolation, expansion, characterization and storage
    b. Tissue/organ/cell culture
    c. Hypoxic-normoxic cell culture
    d. Microbial culture and characterization
    e. Quantitative and semi-quantitiative gene expression
    f. DNA/RNA/Protein quantitation
    g. Protein and nucleoprotein blotting (western and northern)
    h. Bio imaging and Cell visualization
    i. Biomarker identification and development
    j. Nanoparticles and nanosensors
    k. Analytical and preparatory chromatography
    l. Genetic screening (diagnostic and research)
    m. Plant and marine based small molecule development
    n. Temperature controlled, UV-Vis spectrophotmetry
    o. Fluorescence, chemiluminiscence assay and enzyme immunoassay
    p. Horizontal and vertical gel electrophoresis
    q. Refrigerated high speed centrifugation

b. Innovations of the Department

a. Need based translational Research
b. Establishment of medical, dental and health profession education research clusters
c. Medical student research preceptorship programme
d. Genetic screening of congenital anomalies
e. Transgender research
f. Neuroscience Biomarker research
g. Validation of the effects of Yoga and Music on health and disease

c. Best Practices

Two brain storming sessions were conducted for medical and dental faculty by CIDRF in

2013. The Ideas were consised and brought to lime light as 17 clusters in an Annual summit Sanjeevita 2013–(12 medical and 5 dental research topics). details of 17 clusters are given below

List of Medical and Dental Cluster

CLUSTER NO.	CLUSTER NAME	CLUSTER LEADER
1	Integrative Medicine in Lifestyle diseases	Dr. Palanivelu, Pulm.Med
2	Antiaging and Skin care	Dr. Krishnan S, DVL
3	Geriatric/Gerontology Care-based Projects	Dr. Ganesh Babu, Surgery
4	Relaxation, Group counseling, Education & Rehabilitation	Dr. Sukanto Sarkar, Psychiatry
5	Allergy Management	Dr. Srinivasan S, Paed.
6	Personalized Healthcare Database	Dr. Narayan K.A., Comm. Med
7	Lifestyle-based Projects	Dr. Madan Mohan, Physiol.
8	Cell-based Therapies	Dr. Henri Balraj K, Physiol.
9	Mother and Child care	Dr. Seethesh Ghose, OB&GY
10	Mental Health	Dr. Eswaran S, Psychiatry
11	Rejuvenation Therapies	Dr. Pallavee P, OB&GY
12	Pharmacovigilence and Biomarkers	Dr. Kingshuk Lahon, Pharmacol.
13	Life style based Oral diseases	Dr.Sathyanarayanan. R, Cons & Endo.
14	Pain, Anxiety and Stress Management	Dr. Nandakumar. A, Orthodontics
15	Cell Based therapy	Dr. Viswanath Rangdhol, Oral Medicine
16	Personalized Oral Healthcare Database	Dr. Senthil, Public Health Dentistry
17	Dental Bio Materials	Dr. Manoharan. P.S, Prosthodontics

- These clusters paved way for research and extended to file a patent in need-based research activity in process of using natural carotenoids as coloring agents for characterization of acrylic denture bases and using natural pigments as coloring agents for characterization of silicone prosthesis customized to patients needs by a faculty of IGIDS, part-time Ph.D. scholar in CIDRF.

- CIDRF research activity also includes one to one interaction with the departments of MGMCRI by the deputy director Dr. Balanehru S. The outcome of this programme lead to emergence of 40 research projects. Amongst them 15 projects obtained ethical clearance in Dec 2014 and the few more are in progress. SBV encouraged research by funding and incentive career promotion for research activity in the campus.

****

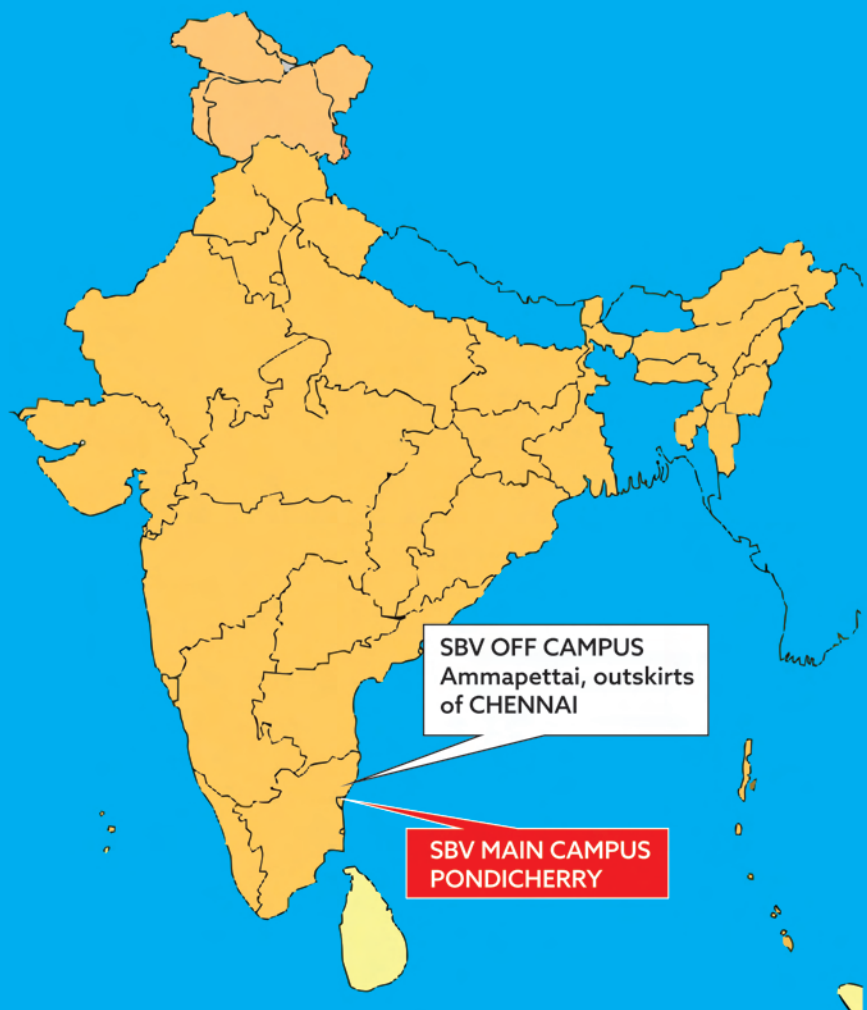
SRI BALAJI VIDYAPEETH
DEEMED UNIVERSITY

MAHATMA GANDHI MEDICAL COLLEGE & RESEARCH INSTITUTE

SHRI SATHYA SAI MEDICAL COLLEGE & RESEARCH INSTITUTE

KASTURBA GANDHI NURSING COLLEGE

INDIRA GANDHI INSTITUTE OF DENTAL SCIENCES



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