



SRI BALAJI VIDYAPEETH
(ACCREDITED WITH 'A' GRADE IN THE FIRST CYCLE BY NAAC)
Pillaiyarkuppam, Pondicherry - 607 402

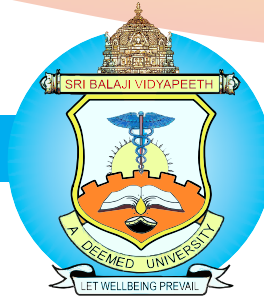
PROSPECTU

**CERTIFICATE COURSE in
HOSPITAL INFECTION CONTROL**



SRI BALAJI

ACCREDITED BY NAAC
WITH 'A' GRADE



VIDYAPEETH

DEEMED TO BE UNIVERSITY
DECLARED U/S 3 OF THE UGC ACT, 1956

PONDICHERRY

VISION & MISSION

VISION

- Sri Balaji Vidyapeeth will strive to be a premier global health sciences university leading in the frontiers of education, research and patient care.

MISSION

- To create an innovative ecosystem that facilitates the development of health care professionals.
- To contribute to the health care workforce with competent and committed professionals.
- To provide preventive, curative and palliative high quality evidence – based care that is affordable and accessible.
- To foster a culture of scientific inquiry, research and innovation in contemporary and emerging health and related sciences.
- To be inclusive and committed in promoting wellness and empowerment of the society.

VALUES

- Inclusiveness, Integration, Innovation
- Engagement, Empowerment, Excellence



CHANCELLOR'S MESSAGE

Dear Students,

You are our National Treasure, and our Country's Future is in your safe Hands. Our Nation looks forward to utilizing your talents in service to the Society. We firmly believe that the moulding of the student into a well-rounded professional largely depends on the broad vision of an educational Institute.

Sri Balaji Vidyapeeth is an embodiment of a broader vision and planned development of a sound education system... where the environment is conducive and pleasant to study, live and work, where education and research hand in hand flourish... where the hidden and inherent skills and talents of the students are nurtured and developed for the benefit of the society, for generations to come.

Come, join our world. Let us create a better, viable, integrated global community of shared benefits, responsibilities and values for the benefit of all things living. Our origins and lives may be different, but we do share the same planet and belong to the same Mother Earth. And remember.... you are the nation's greatest gift and we are duty bound to do our best to our Nation.

Shri. M. K. Rajagopalan

Founder and Hon'ble Chancellor, SBV

VICE-CHANCELLOR'S MESSAGE

Welcome to SBV & your future

The millennium has ushered in challenges which will have a profound impact on the role of private universities. Professional competence will be highly sought after in India and around the globe. The challenge - shared by all Universities - is to bestow the requisite knowledge and skills, and cultivate proper etiquette and attitude to produce top-notch professionals who will be valued both for their professional competence and their inherent ability to solve problems.

Sri Balaji Vidyapeeth, Deemed to be University and accredited by NAAC with 'A' Grade is dedicated to its mission in order to nurture healthcare professionals in Medicine, Dentistry, Nursing and Allied Health Sciences, who would contribute and strive ceaselessly towards caring for the comfort of the sick. The constituent colleges of SBV are already noted for the excellence in various avenues including teaching, research, and service to the community, especially those who are marginalised and underserved. SBV is endowed with committed, dedicated and outstanding faculty- a healthy mix of the young & veterans and excellent infrastructure. Our challenge for the future is to capitalize on this good start and establish ourselves firmly among the comity of leading Universities.

The reputation of any institution is essentially based on the quality of its output; the management and the academic staff do realise this and I promise that they will do their best to train and educate you well. You, the research scholars who have gained entry into the portals of SBV this year realise your ambition and must perform well with dedication and diligence and emerge as competent research professionals and make your parents and educators proud. We wish you all the very best and hope that you would soon emerge as a researcher par excellence.

WITH LOADS OF GOOD WISHES,

PROF. SUBHASH CHANDRA PARIJA, MBBS , MD , PhD ,DSc, FRCPath, FAMS, FICPath , FABMS , FICAI, FISCD, FIAVP, FIATP and FIMS
Hon'ble Vice Chancellor, Sri Balaji Vidyapeeth



INTRODUCING SRI BALAJI VIDYAPEETH

Young, Modern & Marching Ahead

- Sri Balaji Vidyapeeth (SBV) is a young deemed University, proud of its modernity, yet firmly grounded in rich educational heritage.
- SBV aims to excel in academic and clinical medicine; research and training; nurturing passion and enthusiasm into achievement and converting theoretical knowledge into evidence based practice and research.
- SBV was granted 'Deemed University' status by the University Grants Commission (UGC) under section 3 of the UGC Act of 1956 in 2008, in recognition of its outstanding quality of providing education, potential for excellence and obtained NAAC "A" Grade in 2015, with CGPA of 3.11 on 4 point scale.
- SBV has been placed in the top 100 for three consecutive years 2016, 2017 & 2018 at the National Institutional Ranking Framework (NIRF) and is in the top 25 among the Medical colleges through its flagship institute, namely Mahatma Gandhi Medical College & Research Institute.
- SBV(DU) thus enjoys complete autonomy to develop and implement innovative curriculum and academic programs and to design its own education process that is responsive and tailored to the evolving needs and changes of health sciences.
- The Deemed University's constituent colleges and courses are all duly accredited and recognised by the respective statutory bodies such as the Medical Council of India, Dental Council of India and the Indian Nursing Council. Graduates of SBV(DU) are eligible to register with any state council or pursue further education in any part of India.
- SBV(DU) ensures that its programs and courses are recognised internationally, by registering under appropriate provisions of various statutory and registration authorities around the world to enable its graduates the right to qualify for practice in any nation, including appearing for USMLE, (USA) PLAB, MRCP/MRCS/etc (UK), MCCQE (Canada), AMC (Australia), CGFNS/NCLEX (Nursing, USA) etc.
- SBV(DU) is a research oriented university and the establishment of state-of-the-art Central Interdisciplinary Research Facility pledges considerable resources and investment for Biomedical Research.
- SBV's research output has been consistently high in quality and impact, as evident from its rapidly growing research publication record that inspires our students, a fact attested by the region-wise lead position in number of ICMR sponsored STS research projects (Short Term Studentship) undertaken and ably accomplished by our undergraduate medical and dental students.
- SBV caters to the needs of the patients in the form of alternate medicine. The presence of Yoga and Music Therapy is an innovative move to step forward from Illness to Wellness and treating the patients through complementary medicine. MoU signed by SBV for a collaborative doctoral program in music therapy with the IMC University of Applied Sciences, Krems, Austria and with Kaivalyadhama Yoga Institute for Yoga research are noteworthy milestones and bear ample testimony.
- The Centre of Health Professions Education brings together all health professionals to achieve academic excellence through training and research in pedagogical sciences, which saw SBV signing a long term partnership with Partners Medical International, USA.
- Every year is a year of challenges, accomplishments as we attain our targets, setting newer goals and constantly striving to renew our commitment for better medical training, scientific research and clinical practice.
- SBV is governed by an enlightened collegium of eminent scholars, clinicians and scientists, headed ably by our visionary Chairman and Chancellor, Shri. M. K. Rajagopalan; Vice Chancellor Prof. SC. Parija, a well recognised medical educationist; Renowned teacher, Prof. N. Ananthkrishnan, Dean of Faculty & Allied Health Sciences; Prof. M. Ravishankar, Dean, Faculty of Medicine, providing leadership and stewardship towards excellence.

Introduction of the course

Name of the course	CERTIFICATE COURSE IN HOSPITAL INFECTION CONTROL
Duration and Frequency	2 days / year and 2hrs/day of self study
Intended Audience	Undergraduate students of SBV
Intended Learning Outcomes	<ul style="list-style-type: none">• Reduce the menace of hospital acquired infections.• Reduce associated increased antimicrobial use and consequent resistance.• Reduce associated morbidity and mortality• Reduce the treatment costs• Overall improvement in patient care and their outcomes.
Course details	Lecture 16 hrs

SYLLABUS


Course Content: The course consists of 6 week which includes theoretical and practical training in the following aspects of hospital infection control:

Background: Historical journey, organization of hospital infection control, journey of antimicrobials, current scenario and challenges in hospital infection control. Immunocompromised host and aspecial scenarios. Candidates will be introduced to the basics of hospital acquired infections (HAI). The available data on the rate, incidence of hospital acquired infections, their common causes, other epidemiological aspects, their influence of patient outcome and financial implications in developing countries like India will be discussed with them. The overview of the course will be given to the candidates.

Routes of transmission and their prevention: Various routes of transmission of infection and methods of prevention of infectious diseases in hospital settings.

Infection control programme organization: Role of hospital administration in hospital infection control, hospital infection control committee, infection control team, role of ICN, other staff, infection control manual, introduction to surveillance of hospital infection control.

Surveillance: Different principles and practices of surveillance of hospital acquired infections such as device associated infections (Ventilator associated pneumonia [VAP], Catheter associated urinary tract infections [CAUTI], and Central line associated blood stream infections [CLABSI]), surgical site infections (SSI), Clostridium difficile infection (CDI) and their routine surveillance. Hands on training in surveillance of hospital acquired infections will be provided.



Needle stick injury and post exposure prophylaxis: Needle stick injury (NSI), safe injection practices and post exposure prophylaxis (PEP) protocols among hospital staff, exposure reporting, evaluation of occupational exposure sources.

Sterilization and disinfection: Various physical and chemical methods of sterilisation and disinfection will be taught to the candidates. Cleaning and reprocessing of medical equipment, disinfection of Hepatitis B virus, Hepatitis C virus, HIV or TB contaminated devices. Practical hands on training will be conducted in the department of microbiology.

Personal protective equipment and standard precautions: Correct method of use of personal protective equipment (PPE), the significance of taking standard precautions, elements of standard precautions, supportive measures, administrative responsibilities, education and training of healthcare workers, patients and families will be taught to the candidates.

Isolation protocols: Protocols regarding indications of isolation in relation to infectious diseases such as swine flu, managing a patient during isolation, standard precautions to be taken in these patients will be taught to the candidates

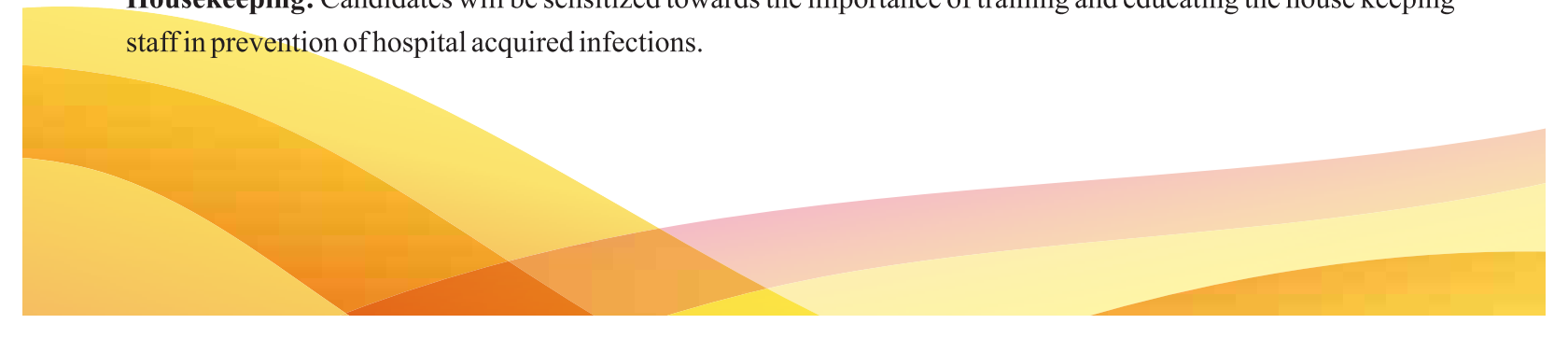
Biomedical waste management: BMW rules 2016 update will be given to the candidates along with hands on training.


Central Sterile Services Department (CSSD): Visit to the central sterile services department along with infection control practices being followed in CSSD. Location and organization of CSSD in a hospital, workflow, transport and reception of non sterile items, cleaning of devices and items, drying, assembling and packaging, sterilization will be discussed in detail.

Laundry: Training on method of collecting and processing used hospital laundry such as linens, towels and other material along with segregation of such articles for sterilization and reuse based on pre-defined criteria will be imparted.

Kitchen: Hospital infection control practices to be followed in the kitchen along with surveillance techniques followed in the kitchen such as cultures of various work surfaces and food items, pest control, waste management, inspection and supervision, cleaning of kitchen, special precautions in food preparation and storage.

Housekeeping: Candidates will be sensitized towards the importance of training and educating the house keeping staff in prevention of hospital acquired infections.





Device associated infections: Comprehensive teaching along with hands on training on various device associated infections such as VAP, CAUTI, CLABSI, their bundle care protocols and related aspects, prevention bundles, safe handover, inventory management, checklist and kits for different protocols such as lumbar puncture kit, central line kit etc.

Antimicrobial resistance (AMR): General aspects of AMR, control of antimicrobial resistance in health care facilities, Extended Spectrum Beta Lactamase producing Gram negative bacteria, Methicillin Resistant Staphylococcus aureus, Vancomycin Intermediate Staphylococcus aureus, CDI, Vancomycin resistant Enterococci, Mycobacterium tuberculosis, incidence of multidrug resistant organism infections, challenges in routine patient care, antimicrobial stewardship, antibiotic policy and its significance in reducing AMR in hospital. Vaccination: Role of vaccination in reducing severe HAI such as Hepatitis B, H1N1 and other hospital acquired infections. Important vaccines in HIC such as Hepatitis B, H1N1, MMR, chickenpox.

Blood spill: Management of blood spill with practical demonstration using simulated conditions.

Hand hygiene: The role of hand hygiene in hospital acquired infection. Steps of hand washing and related topics will be dealt in detail.

Environmental surveillance: Disinfection of OT & ICU and taking surveillance cultures from critical areas, setting up surgical site infection surveillance in hospital.

Assessment & Assignment

Pre-test & Post-test will be conducted

Certificate

Certificate will be provided for students with 100% attendance and Pass percentage of >80%

Feedback

Online feedback will be obtained at the end of the course.

