



Completion Report

CERTIFICATE COURSE - DATA SCIENCES AND PERSONALIZED MEDICINE

Mahatma Gandhi Medical Advanced Research Institute (MGMARI) organized a three month online **Certificate course on DATA SCIENCE AND PERSONALISED MEDICINE**” along with the knowledge partner **Optimal Oncology Pvt. Ltd.**

This course was developed to empower medical and healthcare professionals to gain knowledge and understanding of the emerging technologies and their application in healthcare. MGMARI extended the advertisement to various parts of the country with a wide coverage of posting the brochure to Pondicherry medical colleges, e-mail to group of doctors of IMA, Pathologist, radiologist pharmacology, medical council, universities,

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colleges in the country, social media like facebook, e-mail, whatsapp, instagram, linkedin was advertised.

It geared up with fifteen participants from various parts of the country. The participants of various disciplines attended the course: clinicians, oncologists, researchers, and hospital management. The varied topics were covered as given in the curriculum with good involvement of questions and answers addressing quality of life, healthcare, workplace challenges, sustainable development and global economic competence. Teaching, research innovation and persuasion by the resource group have enabled to obtain updated knowledge from versatile disciplines from industries, government bodies and biotechnology industries from national and international experts.

In the path of the mission, this online program was offered on every Friday at 7.00 pm from June 17, 2022 for one hour. The knowledge shared on big data, machine learning and deep learning to make data-driven personalized decisions gave insight to focus on the improvement of patient care. The course



design structure was enriched with fifteen theoretical sessions and one four hour ‘Hands-on’ practical training on relative methods during a sixteen-hour schedule.

The interest was kindled and curiosity reached the height of eagerness, awaited for the hands-on workshop with the interesting delivery of the course syllabus by the external speakers, Dr. Ashwin, CMO, Optra Health Inc. Ms.Sujini, CSO-Product development, Optimal Onology, Mr. Prashanth Ravindran, Associate Director, Mobius Knowledge services, Mr. Nitin Sharma, Director Product Engineering, Optra Health Inc. Mr. Avinash Parekh, CEO, Neos Tech, Mr. Jesu Valiant, CEO, Stratforge, along with two internal speakers, Dr. S. R. Rao, Vice –President (RI&D) and Dr. RC Jagat Reddy, IGIDS. hands-on

Sri Balaji Vidyapeeth University also provided an appreciable beneficiary to the participants of the course by endorsing them with SIX credit points and web link: <https://sbvu.ml/dspm> for the conduct of the course. The course started on June 17, 2022 and completed on Sep 17, 2022. The program was coordinated by Ms. Sujini and Dr. Veni subramanyam. The course materials were circulated in the group well in advance.

In the workshop, the team was divided into groups and a task was given by Mr. Prasantha and it was hand held by Ms. Sujini. An announcement of completion by the convener kindled the group. The active participation of the participants was awarded with the announcement of momento. The group, including Dr. Joseph Philipraj, Dr. Sruthi Meenakshi, Dr. Rajkumar, Dr. Veni subramanyam, Dr. Kulkarni, Swetha and Mr. Rajesh Kumar was appreciated for winning the task and was awarded.

The course received good feedback requesting future prospects. The convener also hinted at the conduct of the advanced course of the program, which is much awaited by the participants.

