

Department-Biotechnology

Activity- Webinar

Date-15-09-2020

Title of the activity- BISEP Webinar Series - Designing A laboratory for Microbiology

Industry / Resource Person- Mr. Vireshkumar Sheth

Mode of Delivery – Virtual

Report -

The second day of the BiSEP-Biotechnology webinar series conducted by Mount Carmel College was addressed by Mr. Vireshkumar Sheth CEO, Director and co-founder of Shriyata Lifetech Pvt.ltd on the topic “Design of Microbiology Laboratory in pharmaceutical industry”. The target audience were PG and UG science students.

He began the session by giving a brief introduction about what Microbiology is and the other fields of microbiology. Then he enlightened the participants about the applications of microbiology in a pharmaceutical industry in several areas such as Sterility testing, Antibiotic potency testing, antimicrobial effectiveness testing, water analysis, environmental monitoring and identification. We were able to gain knowledge about the importance of microbiology in the pharmaceutical industry. As the pharmaceutical products are ultimately consumed by animals and humans, we are now aware that microbial contamination in pharmaceutical products also has serious consequences when it comes to the patient safety, quality, the legal claims and many also lead to financial losses to the company. He also explained the challenges that the industries are facing everyday which includes the limited number of methods and time available, the cross contamination that may happen by the people who are handling the sample etc.

He explained us the layout of a microbiology laboratory, the workflow and the typical equipments that are used in the lab. He also elaborated about Biosafety and the four different safety levels of biosafety.

On the whole, the session was very fruitful and informative to all the participants.

In a nutshell it was truly an enriching session which imbued us with a lot of information about protein designing which is one of the very important aspects of biotechnology. Hence, it is only fair to conclude that this session was indeed a very helpful session which will help us in preparing ourselves for our future endeavours in the field of biotechnology

8. Number of Participants 50

9. Photographs –



DESIGNING A LABORATORY FOR MICROBIOLOGY



WEBINAR
SEPTEMBER 15, 2020
BENGALURU



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