



Department of Biotechnology

Webinar Report

BIOPROCESS OPTIMIZATION USING DESIGN OF EXPERIMENTS

A Webinar (SBF- BioAcademy, Bio Talks Series) on “Bioprocess Optimization Using Design of Experiments” was organized by Department of Biotechnology, Sri Venkateswara College of Engineering, Sriperumbudur on 8th October 2021 through Google meet. The webinar was organized for the course BT18501 Bioprocess Engineering. Dr. K. Vasantharaj, Assistant Professor and K. Divakar, Associate Professor Department of Biotechnology organised/coordinated to conduct the webinar. This was organized as part of Bio Talks Series, Bioacademy, Student Biotech Forum.

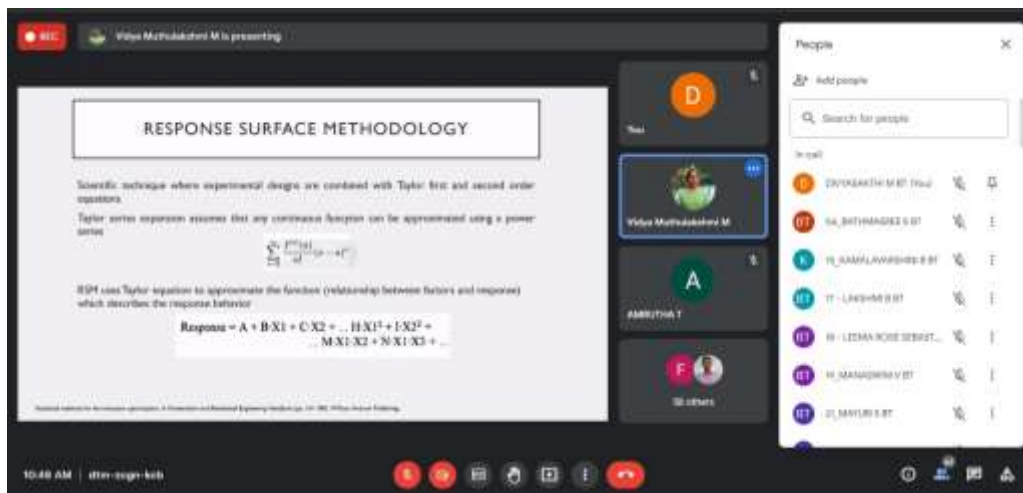
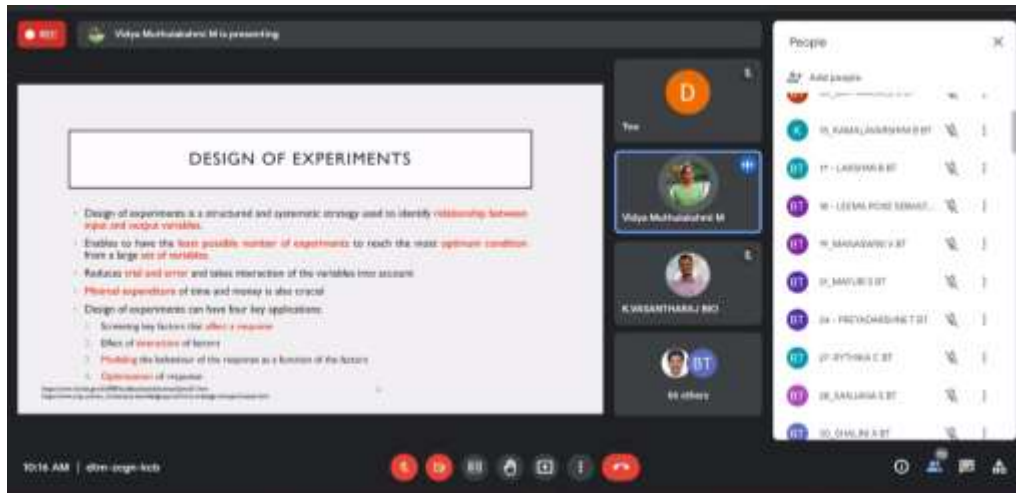
The session was started with a welcome address by Dr. V. Sumitha, Head, In Charge, Department of Biotechnology. Ms. Divyasakthi M, 3rd year B. Tech Student introduced the guest speaker Ms.Vidya Muthulakshmi M, Prime Minister’s Research Fellow, Bhupat Jyoti School of Biosciences, Indian Institute of Technology Madras. The guest speaker started her motivational talk on ‘what is Bioprocess and why do we need to optimize a process?’. Then she discussed the types of experiments used in engineering and the basic principles of design of experiment (DoE). She also briefly discussed the Plackett Burman Design and Response Surface Methodology. Also discussed about the methodologies used for bioprocess optimization and software tools used for DoE.

Participants including UG students, faculty members from Department of Biotechnology, SVCE attended the event. During question and answer/interaction session the guest speaker, Ms.Vidya Muthulakshmi M, addressed the questions raised by the participants and interacted with the participants. In this webinar 72 participants (66 students and 6 faculty members) attended and got benefited.

The session ended with a vote of thanks delivered by Ms. Madhumitha K, Student of 2nd year B.Tech Biotechnology Department of Biotechnology, SVCE. Guest speaker, Ms.Vidya Muthulakshmi M thanked the organizers and the management of SVCE for organizing this event. The program was very well received by the participants and it was well appreciated. Students gained knowledge on methodologies used for design of experiment and software tools used for DoE.



Screenshots captured during the event



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