




DEPARTMENT OF BIOTECHNOLOGY

EXPERT TALK ON “SCALE UP AND SCALE DOWN OF MICROBIAL UPSTREAM PROCESS” 16-02-2024

Department of Biotechnology has organized an expert talk on **SCALE UP AND SCALE DOWN OF MICROBIAL UPSTREAM PROCESS** on 16-02-2024. The gathering was welcomed by Dr.A.Nirmala, Associate Professor and Head, Department of Biotechnology, AVIT. Dr.L.Nagarajan, Associate Professor, Department of Biotechnology given introduction about the guest Ms.Vinobiah, Managing Training, Bangalore Biotech labs Pvt. Lts (Biozeen) , Bengaluru. This event was organized with the aim of providing an in-depth understanding of microbial upstream process and its importance in today's world. This event brought together students from all the years from Biotechnology and Third year students from pharmaceutical engineering to meet with experts in the fields of Downstream processing and Bioprocess Engineering to discuss the latest trends, challenges and opportunities in this field. This event included presentations, discussions, case studies and interactive sessions to facilitate learning and knowledge sharing among the students and raise awareness.


AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY






Cordially invites you all for the expert talk on

Scale up & scale down of Microbial Upstream Process

Resource Person

MS. Vinobiah
 Manager Training,
 Bangalore Biotech Labs Pvt. Ltd. (BIOZEEN)
 Bengaluru




16th February 2024

11.30 a.m
Venue : Digital Classroom



Organized by
Department of Biotechnology, AVIT

Key Topics Discussed:

- **Bioprocess Engineering:** Professionals in this role emphasize the study of cellular processes. Students can apply engineering principles to design devices, systems and products that benefit various industries.
- **Scale up of Downstream processing:** Separation science continues to occupy the central position in the overall strategy for the downstream processing and purification of therapeutic protein products for human use. Increasing product titers from mammalian cell culture and new emerging classes of biopharmaceuticals has presented a challenge to the industry to identify ways of improving the robustness and economics of chromatography processes. In commercial manufacturing, there is always a need to increase the scale of the chromatography operations which are typically developed and optimized in small-scale laboratory experiments.

This expert talk was comprehensive and informative event that provided valuable insights into the field of Bioprocess Engineering and downstream processing. The discussions and presentations highlighted its importance in driving innovation, addressing societal challenges, and creating newer opportunities. The expert talk concluded with an emphasis on the potential career opportunities for the students and the need for continuous learning and networking in this field. The session ended successfully with vote of thanks by A.Sasikala, Assistant Professor (Gr-II), Department of Biotechnology, AVIT.



