

## **Report**

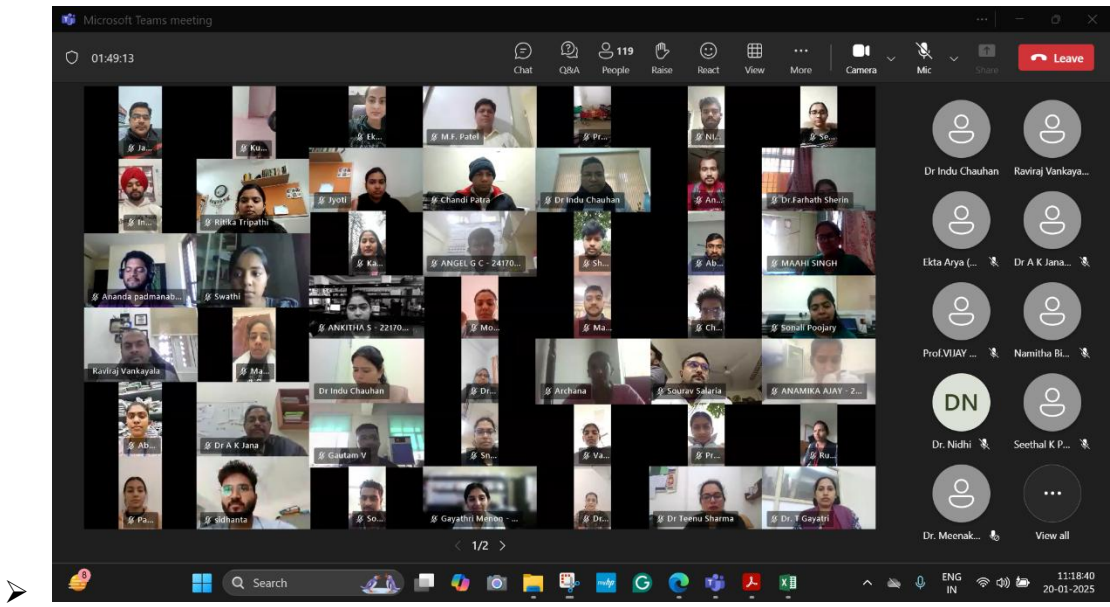
### **STC/FDP on “Nanomaterials and Their Applications in Biotechnology”**

**(20-24<sup>th</sup> January 2025)**

Five days Online Short Term Course/Faculty Development Program on “Nanomaterials And Their Applications in Biotechnology” was organized by Department of Biotechnology, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab from 20-24<sup>th</sup> January 2025. The main objective of this program was to introduce participants to the various strategies used for the synthesis of nanomaterials, their characterization, and their applications in different areas of biotechnology such as biomedical, environmental remediation etc. In the event around 183 participants from India as well as abroad registered and successfully completed/attended the course.

In this short term course, invited speakers (Faculties and Scientists) from well recognized institutes such as IITs, NEERI and NIPER delivered expert lectures on the following topics (not limited to):

- Harnessing the Magic of Invisible Light for Healthcare Applications
- Plasmonic Nanomaterials: From Basics to Therapeutic Applications
- Biodegradable Carbon Nanomaterials for Biomedical Applications
- Nanomaterials based biosensors for cancer/disease diagnosis.
- Nano-hydroxyapatite for Biomedical Applications



Inauguration Picture



Image after Valedictory ceremony of the STC