



**NIE**  
The National Institute of Engineering



**AICTE Training and Learning (ATAL) Academy  
Sponsored**

**Five-Day Faculty Development Programme (FDP)**

**on**

**“FABRICATION AND CHARACTERIZATION OF THIN FILMS FOR FUTURE  
TECHNOLOGICAL APPLICATIONS”**

**Aug. 16 – 20, 2021**

The Department of Mechanical Engineering of The National Institute of Engineering (NIE), Mysuru is organizing a Five-Day Faculty Development Programme (FDP) on “Fabrication and Characterization of Thin Films for Future Technological Applications” from Aug. 16 – 20, 2021 sponsored by AICTE Training and Learning (ATAL) Academy.

The primary objectives of this Program is to

- Support technical institutions in fostering research innovation and entrepreneurship through training.
- To provide variety of opportunities for training and exchange of experiences such as workshops, orientations, learning communities and peer monitoring.

This FDP provides a buzzing platform for the participants which includes Faculty members of AICTE approved institutions, Research Scholars, PG Students, participants from Industry and School teachers, who are actively involved in research on Thin Films to enhance and upgrade their skills in the cutting edge technology of Nano-Science and Technology.

This Five-Day FDP will be inaugurated on Monday the 16<sup>th</sup> August 2021 at 10 AM by Dr. A. Subrahmanyam, Former Professor, Dept. of Physics, IIT/Madras via online mode. The speakers of the FDP include renowned Scientists/Professors from IIT’s, IISc, CSIR labs, Central and State Universities.

Dr. N. V. Raghavendra, Principal and Professor, along with Dr. K. Pushpalatha, Professor and Dean (R&D) and Dr. B. Suresha, Professor and Head, Dept. of Mechanical Engineering, NIE will address the FDP. The event will be co-ordinated by Prof. Madhusudhana R, Assistant Professor, Centre for Nanotechnology, Dept. of Mechanical Engineering, NIE, Mysuru.

**Centre for Nano-Technology**

The Centre for Nano-Technology (CNT) housed at NIE was established in 2012 to carry out focused research on cutting edge areas in Nano-Science and Nano-Technology. The Nano Mission, Department of Science and Technology, Government of India has sanctioned a

financial grant of Rs. 1.86 Crores for the research project titled “Characterization of Composite Materials and Application of Nanomaterials for Sustainable Energy”. Vision Group on Science and Technology (VGST) of Govt. of Karnataka has also sanctioned a research grant of Rs 60-lakh under Centres of Excellence in Science, Engineering and Medicine (CESEM) to carryout research on “Development of CIGS-based Nanomaterials for Photovoltaic's”.

The centre has also received research grants from DST – Nano Mission, Govt. of India, VGST – Govt. of Karnataka, CSIR – CFTRI, UGC - Govt. of India, UGC – DAE, RRCAT, DRDO - DFRL for various projects. The faculty members are actively involved in research and have published their research outcomes in various reputed national and international peer reviewed journals. The department also hosts M.Tech programme in Nanotechnology.