

ABOUT THE INSTITUTE

Sant Longowal Institute of Engineering and Technology (SLIET), Deemed to be University, has been established and funded by Ministry of Education (MoE), Govt. of India in 1991 to provide technical education in emerging areas of engineering and technology. Over the years the institute has established itself as a premier Institute imparting technical education of a very high standard.

The institute caters to the technical manpower requirements at various levels by adopting a concept of a modular system in imparting professional education with an emphasis on practical training in the industry. The study programs include various courses at ICD, B.E. M.Tech. (NBA accredited) and Ph.D. in different branches of engineering and technology. The institute has a sprawling area of 451 acres surrounded by lush green land and offers a perfect environment to nurture a peaceful state of mind required to carry out research and other student activities.

INSTITUTE VISION

SLIET shall strive to act as an international podium for the development and transfer of technical competence in academics through formal and non-formal education, entrepreneurship, and research to meet the changing need of society.

DEPARTMENT OF MECHANICAL ENGINEERING



Department of Mechanical Engineering is the largest department of the Institute. The department offers number of programs at different levels ICD, Diploma, Degree and PG programs. Research areas covering such as Non-conventional Machining, Hybrid Machining, Composite materials, Functional nanomaterials, Automotive Engineering., Bio energy & Alternative fuels, Precision metrology, Optimization, Modeling and Simulation, CAD, FEA, Welding Technology etc. and have undertaken many sponsored projects. The department regularly organizes conferences/symposia and MoE/AICTE/ISTE sponsored training programs, and is committed to impart quality education, research, and training for attaining excellence.

ABOUT THE PROGRAM

Two-week Faculty Development Program (FDP) on **Advanced Functional Materials 'AFM 2024'**

(*Current Research, Innovation and Applications*) will be conducted in **Hybrid Mode** from **29th July 2024 to 09th August 2024**. The aim of the FDP is to provide in-depth knowledge of Advanced functional materials, their fundamental characteristics, synthesis, characterization, and applications in the advancement of science and technology, in different domains. These materials are at the forefront of technological advancement, revolutionizing industries ranging from mechanical healthcare to electronics to energy.

PROGRAM SPEAKERS

The speakers will be distinguished research people from IIT's, NIT's, CFTI's, other reputed institutions & Industry.

MODE OF CONDUCTION

The training program will be conducted in **Hybrid Mode**. The soft copy of study material, PPT's will be shared with the participants. *e-Certificates will be given to the participants.*

ELIGIBILITY

This *interdisciplinary* course is open to Faculty (*Regular/Adhoc/Contract*), Research Scholars & Students (UG/PG) from Engineering institutes/colleges and other allied disciplines, and to Industry personnel working in the concerned/allied discipline, in India.

Two Weeks
**FACULTY DEVELOPMENT
PROGRAM
(Hybrid Mode)**
on
**ADVANCED FUNCTIONAL
MATERIALS
(AFM 2024)**
*(Current Research, Innovation and
Applications)*
(July 29 - Aug 09, 2024)



Organized
by
Department of Mechanical Engineering
**Sant Longowal Institute of Engineering
and Technology**

*(Deemed to be University under Ministry
of Education, Govt. of India)*

Longowal-148106
Sangrur (Punjab)
INDIA

Patron: Prof. Mani Kant Paswan, DIRECTOR
Co-Patron: Prof. J.S.Dhillon (Dean, Academics)
Chairperson: Prof. Shankar Singh
(HOD- Mechanical & Civil Engg.)

Coordinators:
Dr. Harish Kumar Arya, AsP- ME
Dr. Subita Bhagat. A.P, CHE

COURSE CONTENTS

- Introduction, Synthesis and Characterization of Advanced Functional Materials
- Nanomaterials and Nanotechnology for Advanced Applications
- Advanced Materials in the field of Automotives
- Computational Modelling of Advanced Functional Materials
- Synthesis and Characterization Techniques
- Biomaterials and Smart materials
- Functional Polymer Materials
- Composite Materials
- Functional Materials for Energy Harvesting and Storage
- Ceramics, Ferrous & Non-ferrous Metals.
- Prospects in the relevant area and applications etc.

REGISTRATION FEE

The registration fee structure is as follows:

Participants	Fee (₹)
Faculty/Staff	250/-
Research Scholars/students (UG/PG) other than SLIET	250/-
Research Scholars/students (UG/PG) of SLIET	Nil
Persons from Industry	500/-

- Seats are limited to **100** and selection will be based on first come first basis.
- Fee payment to be made to the account: 'AFM 2024' payable at **C.B.I, SLIET Longowal (IFSC Code: CBIN0283105 and Account No. 5618061922)**, on or before **15-07-2024**.

IMPORTANT DATES

Last date for registration: July 20, 2024
Notification of selection: July 22, 2024

HOW TO APPLY FOR COURSE

Registration is required for participating in this course. Applicants can fill registration form at <https://forms.gle/ANnZ9vduDHf4tMVX6>



ADDRESS FOR CORRESPONDENCE

Dr. Harish Kumar Arya (Coordinator)
Dr. Subita Bhagat (Coordinator)
Mobile: 6280488571; 9988525366
E-mails: harisharya@sliet.ac.in
subita_bhagat@sliet.ac.in
Chairperson: shankarsingh@sliet.ac.in