

REGISTRATION FORM

Short Term Course on

'Advancements in Material Processing and
Additive Manufacturing' (AMPAM 2024)
(8th -12th January 2024)

Full Name: _____

Category: Student / Faculty / Industrialist: _____

Designation: _____

Highest Academic Qualification: _____

Department: _____

Institution with address: _____

_____ Pincode: _____

Phones: Official: _____

Mobile: _____ E-mail: _____

Experience (Yrs): (i) Teaching: _____ ii) Industry: _____

Online Registration Fee Payment Details:

Amount _____ Transaction ID: _____

Transaction Date _____

Place: _____

Signature of the Applicant

Address for Correspondence

Dr. Shankar Singh,
Professor; Department of Mechanical Engineering,
SLIET Longowal, Longowal-148106

Email: ampam@sliet.ac.in
shankarsingh@sliet.ac.in

<https://forms.gle/BGkYfKnKbSREF2i99>

REGISTRATION FEE

Participants Fee in INR (₹)

UG/PG students & PhD scholars: ₹ 250/-

Faculty Members: ₹ 250/-

Industry Professionals: ₹ 500/-

NOTE:

- Registration forms are also available on Institute website www.sliet.ac.in.
- Seats are limited to 100 and selection will be based on first come first basis.
- The completed registration form may be sent along with your online payment receipt.

Name of the Account: **AMPAM 2024**

Payable at Central Bank of India, SLIET, Longowal
(Account No. 5495824959; IFSC Code: CBIN0283105)
on or before **30-12-2023**.

Chief Patron: Prof. Mani Kant Paswan, Director

Patron: Prof. J. S. Dhillon, Dean (Academics)

Chairperson: Prof. A.S. Shahi, HOD (ME)

Organizing Committee: All Faculty Members of
Mechanical Department.

Course Coordinator (s)

Dr. Shankar Singh, Professor
Dept. of Mechanical Engineering, SLIET
Mobile: +91-7814653808; +911672-253304

Course Co-coordinator

Dr. Indraj Singh Professor (Mechanical)
Er Divesh Bharti, Assistant Professor (Mechanical)

SHORT-TERM COURSE (HYBRID MODE)

on

**ADVANCEMENTS IN MATERIAL PROCESSING
AND ADDITIVE MANUFACTURING
(AMPAM 2024)**

8th -12th January 2024



Organized by

Department of Mechanical Engineering
Sant Longowal Institute of Engineering &
Technology

Deemed-to-be-University

(Established by Ministry of Education (MoE), Govt. of India)

(Accredited by NAAC with 'A' Grade)

Longowal, District - Sangrur (Punjab),

Pin - 148106, India

Website: www.sliet.ac.in

Registration Link

*Transfer details need to be uploaded at the time of
the online application through the below link.*

<https://forms.gle/BGkYfKnKbSREF2i99>

ABOUT THE INSTITUTE

Sant Longowal Institute of Engineering and Technology (SLIET) is a centrally funded Deemed to be University set up by Ministry of Education (MoE), Govt. of India with an aim to achieve technological excellence through innovation. It caters to the technical workforce requirement at various levels by adopting a new concept of multi-entry, multi-exit modular pattern based technical education with emphasis on skill development and practical training. It offers Integrated Certificate Diploma (ICD), Diploma, Degree, PG (M.Tech, M.Sc., M.B.A) and Ph.D. programs in various disciplines of Engineering, Science and Technology. Under the dynamic leadership of **Director Prof. Mani Kant Paswan**, SLIET, has signed MoU with IIT, Jammu and NIT, Delhi. SLIET is already having MoU with NIT, Jalandhar, since April 2022.

ABOUT THE DEPARTMENT

Department of Mechanical Engineering is the largest department of the Institute. The department offers number of programs at various levels ICD/Diploma, Degree, and PG programs. Several Ph.D. scholars are also pursuing Ph. D. in diversified areas.

In addition to regular teaching, the faculty is engaged in active research work in their respective fields of interest covering different areas such as Non-conventional Machining, Hybrid Machining, Composite materials, Automotive Engg., Bio energy & Alternative fuels, Optimization, Modelling and Simulation, CAD, FEA, Welding Technology etc. The department is regularly organizing conferences/symposia and MoE/AICTE/ISTE sponsored training programs.

ABOUT THE STC (HYBRID MODE)

Materials processing is an important process in realizing the structural features (e.g., crystal structure, microstructure, size, and shape) required for a given product to perform well in its intended application by properly utilizing and designing the composition of a given material. Recent advances of **Additive Manufacturing (AM)** in sensors, micromechanics, computational modelling, and simulation have enhanced AM technologies.

The objective of this short-term course (STC) is to put together **research and developments** related to advances in materials processing and to introduce the relevant features of additive manufacturing, to keep up with ever-increasing demands towards **Industry 4.0**. The speakers through lectures and interactive sessions will share with the participants the cutting-edge research and development, carried out /observed by them in subject domain, for "**Atma Nirbhar Bharat**".

The speakers are distinguished research faculties from Industry, Foreign Universities/Institutes, IIT's, NIT's, CFTI's & other reputed institutions. They will interact online with the participants. The target audience/participants in this course would be UG/PG students, Research Scholars, Faculty members and Industry professionals.

Experts from Institute with whom MoU has been signed by SLIET (viz. IIT, Jammu; NIT, Jalandhar & NIT, Delhi) will also deliver expert talks on the theme of AMPAM 2024. With a focus on materials engineering, design, and manufacturing solutions for manufacturing industries, **AMPAM 2024** will address the challenges of working towards a sustainable society.

This course will give the audience a rigorous, advanced foundation in advanced materials processing and characterization.

FOCUS AREAS

- *Material Engineering and Processing*
- *Material Development and Characterization*
- *Rapid Prototyping & Modelling of Additive Manufacturing*
- *Synthesis and Characterization of Advanced Light Materials and Magnesium Based Nanocomposites.*
- *Laser Materials Processing,*
- *Mechanical and Metrological characteristics of additive manufacturing parts*
- *Advanced Nano-Finishing Processes, Additive Manufacturing, Composite Materials.*
- *Simulation and Design of Additive Manufacturing Processes*
- *3D & 4D Printing*
- *Micro Machining and Surface Finishing of Additively Manufactured Parts*
- *Developments In Hybrid USM and μ -ECM Processes*
- *Hybrid Manufacturing*

Eligibility for Participation

The e-STC is open to UG/PG students, PhD scholars, Faculty from relevant engineering disciplines, and Industry professionals. The programme will be conducted Hybrid Mode (online), and **E-Certificate**'s will be issued to all the participants who register and attend the programme.

To fill the online google form, please scan the below QR Code for Registration:

