

Sant Longowal Institute of Engineering & Technology

(Accredited by NAAC with 'A' Grade)

Department of Mechanical Engineering

Short-Term Course (Hybrid Mode)



ADVANCEMENTS IN MATERIAL PROCESSING AND ADDITIVE MANUFACTURING (AMPAM 2024)

(8th -12th January 2024)

MATERIAL PROCESSING AND ADDITIVE MANUFACTURING



Laser Processing



3D Printing



Additive Manufacturing

Material 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. As complex parts become easier to build and the equipment and skills needed to build them become more and more common, innovative approaches are achievable. 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 (from Industry, Foreign Universities/Institutes, IIT's, NIT's, CFTI's & other reputed institutions) 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 target audience/participants in this course would be UG, PG students, Research Scholars, Faculty members and Industry professionals. E-Certificate will be issued to all the registered participants.

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.

Registration Fees: Academic (student/faculty): ₹ 250/-; Industry Participants : ₹ 500/- . SLIET Faculty: NIL

CHIEF PATRON



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Prof Mani Kant Paswan

PATRON



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