

ABOUT THE INSTITUTE

Sant Longowal Institute of Engineering and Technology (SLIET) is a centrally funded Deemed-to-be University set up by Govt. of India with an aim to achieve technological excellence through innovation. It caters to the technical manpower requirements at various levels by adopting a new concept of multi-entry, multi-exit modular pattern based technical education with emphasis on practical training. It offers Certificate, Diploma, Degree, PG and Ph.D. programs in various disciplines of engineering and technology.

ABOUT THE DEPARTMENTS

This interdisciplinary workshop will be conducted by the Department of Mathematics, Mechanical Engineering and Computer Science & Engineering. The departments are offering PG as well as Ph.D. programs. The faculty is actively engaged in the recent areas of research. A number of Ph.D. scholars are perusing research in diversified areas. The departments are regularly organizing conferences/workshops/symposia sponsored by TEQIP (MoE) / AICTE / ISTE / FDPs / STTP.

LOCATION OF THE INSTITUTE

The Institute is connected by road with Sangrur (20 km), Patiala (80 km), Sunam (17 km), Ludhiana (100 km), Chandigarh/Ambala (150 km), Delhi (320 km). Dhuri, Sangrur and Ambala, are well connected to important places in India by rail. The nearest airport is Chandigarh.

PATRON IN CHIEF

Prof. Mani Kant Paswan
Director, SLIET Longowal

PATRON

Prof. J.S. Dhillon
Dean (Academics)

CHAIRMAN

Prof. V.K. Kukreja
Deptt. of Mathematics

CO – CHAIRMAN

Prof. A.S. Shahi, HOD (ME)
Prof. Birmohan Singh, HOD (CSE)

COORDINATOR

Prof. Jagtar Singh
Deptt. of Mechanical Engineering

ADDRESS FOR CORRESPONDANCE

Prof. Jagtar Singh, Coordinator

DEPARTMENT OF MECHANICAL ENGINEERING

Sant Longowal Institute of Engineering &
Technology Longowal - 148106 (Punjab)
Email: sttpdoeae@sliet.ac.in

**One Week
STTP**

on

**Design of Experiments and Its
Applications in Engineering**

December 4-8, 2023



Organized by

**Department of Mathematics,
Department of Mechanical Engg and
Department of Computer Science & Engg**

Sant Longowal Institute of Engineering & Technology
(Deemed to be University)
(Established by Government of India)
Longowal -148106 (Punjab)
Website: <http://www.sljet.ac.in>

ABOUT THE TRAINING PROGRAMME

Statistics has wide applications in engineering and social sciences. Particularly design of experiment is used to establish a structured optimal process in engineering systems for product development and process improvement. It helps in deciding the pathway for intelligent framework, lower development costs and lower operating costs for future course of action. Ultimately, this workshop will be helpful to implement the data analytics capabilities in their research work by the PG, PhD research scholars and faculty members.

COURSE CONTENTS

This workshop will focus on the following areas:

- Basics of Statistics
- Sampling Techniques
- Design of Experiments
- Factorial Design Approach
- Taguchi Technique
- Completely Randomized Design
- Randomized Block Design
- Metaheuristic Based Optimization

ELIGIBILITY FOR PARTICIPATION

The training programme is open to faculty and research scholars of AICTE recognized degree level engineering college, technical universities/ deemed universities. The training programme is interdisciplinary nature. The faculty members/ research scholars of engineering, humanities and science disciplines can attend the programme. Personal from industry are also welcome to attend this training programme.

REGISTRATION

Candidate should register them by filling the google form at <https://tinyurl.com/mtumfbwx> Confirmation of eligible candidates will be on first come first served basis, upto a maximum of 40 candidates. The late date for submission of registration form is **28th November, 2023**.

Scanned copy of the Registration form, duly signed by the Head of Institution may be sent at the email : sttpdoeae@slit.ac.in.

REGISTRATION FEE

Research Scholars / Students : Rs.500/-
Faculty / Staff : Rs.1000/-
Persons from Industry : Rs.2000/-

Name of Account: STTP-DOEAE
Account number: 5474903450
IFSC: CBIN0283105
Bank: Central Bank of India



Travelling & other expenses will have to be borne by the participants. Accommodation will be provided on request in the Guest House/ Transit Accommodation / Hostels on nominal charges, depending upon the availability.

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REGISTRATION FORM

Name: _____

Designation: _____

Organization: _____

Address for Communication: _____

Mobile No.: _____

E Mail: _____

Highest qualification _____

Experience: _____

Accommodation Required: **YES / NO**

Registration Fee: Rs : _____

Mode of Payment : _____

UTR Number : _____

Signature of the Applicant: _____

Signature of Head of Institution: _____

Date: _____