

THE INSTITUTE

Sant Longowal Institute of Engineering & Technology (SLIET) is a Deemed-University under the Ministry of Human Resource Development (MHRD), Government of India. This Institute has come up beautifully in a sprawling green area of 451 acres, with many topographically featured picturesque landscape and presents spectacle of harmony and natural beauty, embedded with all the amenities required for a complete township. It offers unique modular, multi entry multi exit pattern of education in various branches of Engineering & Technology, to prepare the skilled and qualified manpower for self employment. The study programmes include various courses at Integrated Certificate and Diploma, Degree, M.Tech. & PhD. levels in 11 departments of Engineering, Science and Technology. It caters to the technical manpower requirements at various levels in Industries/Institutions by imparting technical education with emphasis on industrial training and entrepreneurship development.

LOCATION & WEATHER

The Institute is located at Longowal village and is connected by road with Sangrur (18 km), Barnala (30 km), Patiala (80 km), Ludhiana (110 km) and Chandigarh (150 km). The nearest railway stations are Sangrur (18 km), Sunam (18 km), Barnala (30 km) and Dhuri (35 km). The nearest airport is at Chandigarh. The month of March is spring season and temperature ranges from 20°C to 25°C.

THE DEPARTMENT

The Electrical & Instrumentation Engineering Department offers Integrated Certificate and Diploma (ICD) and Degree courses in the disciplines of Electrical Engineering and Instrumentation Engineering. For post graduate students the department has M Tech course in Instrumentation and Control Engineering and PhD Programme. The Department has highly qualified faculty and they are actively involved in quality teaching and research. A number of research activities and sponsored projects are being undertaken in the department.

COURSE OBJECTIVES

The Research & Development (R&D) in engineering designs mainly encounters with different tradeoffs between various factors for desirable outcomes. Optimization is a way to select these tradeoffs in a best possible manner. There can be different possible solutions for an engineering design or an industrial process. The Optimization method compares these different candidate solutions in its own method and reaches to the best possible result.

This course is aimed to such solution methods for a variety of R&D problems with core emphasis on the following issues.

- Various Computational Techniques
- Mathematical modeling of Engineering Systems
- Applications of Finite Element Method (FEM) to Engineering problems
- Matlab and Simulink (Models and Programmes)
- Optimization Techniques
- Controller Design and Optimization

Registration Form

TEQIP SPONSORED SHORT TERM TRAINING PROGRAM ON

“OPTIMIZATION TECHNIQUES IN ENGINEERING R&D”

(March 09-13, 2015)

Dept. of Electrical & Instrumentation Engg.,
SLIET, Longowal-148106, Distt Sangrur
(Punjab) India

Name: _____

(In block letters)

Designation: _____

Department: _____

Name of the Institute/Organization: _____

Address for correspondence: _____

e-Mail: _____

Mobile No.: _____

Fax: _____

Highest Academic Qualification: _____

Accommodation required: Yes/No: _____

Details of Draft (In favour of Director, SLIET,
payable at Longowal/Sangrur) as registration fee.

Amount: _____

DD No.: _____ Dated: _____

Place: _____

(Signature of Applicant)

(Use photocopy of the form if required)

ORGANIZING COMMITTEE

Patron:

Prof. Sunil Pandey, Director

Chairman:

Prof. A.S. Arora, H.O.D

Co-Chairmen:

Prof. V.K. Jain

Prof. J. S. Dhillon

Prof. S. Marwaha

Cordinators:

Dr. Sanjeev Singh, Associate Professor

Dr. Surita Maini, Associate Professor

IMPORTANT DATES

Last Date for Application: *March 04, 2015*

Confirmation by e-mail: *March 05, 2015*

Registration deadline: *March 09, 2015*

REGISTRATION FEE

Academic, R&D Professionals: Rs. 1500/-

Research Students: Rs. 1000/-

Industry Professionals: Rs. 2000/-

The registration includes the course material, breakfast/lunch/dinner/tea during the STTP.

ACCOMMODATION

All outstation participants will be provided accommodation in Guest house/Transit accommodation/ Hostels of the Institute on the normal payment basis.

HOW TO APPLY

The interested candidates may apply by sending the filled in registration form via e-mail to the coordinators and paying the requisite registration fee. The registration fee can be paid by DD or by Cash on registration

counter. There are limited seats for the STTP and shall be allocated on first come first serve basis. **Please note that No TA/DA shall be paid to the participants by the organizers.**

PLACES OF ATTRACTION

Punjab is known for its cuisine, culture and history. Tourists can enjoy culture, ancient civilization, spirituality and history. Some of the main cities in Punjab are Chandigarh, Amritsar, Jalandhar, Ludhiana and Patiala. Punjab has a rich religious history incorporating Sikhism, Islam and Hinduism. The royal Punjabi palaces, historic battle sites, shrines, temples and examples of Sikh architecture are notable attractions. All the cities are well connected by rail or Road. Punjab's public transportation network provides excellent tourist transportation.

For any further information, please contact:

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Dr Surita Maini, Associate Professor

Mobile No.: 9463863150

ADDRESS FOR COMMUNICATION

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ORGANIZED BY:

**DEPARTMENT OF ELECTRICAL &
INSTRUMENTATION ENGINEERING**

**SANT LONGOWAL INSTITUTE OF
ENGINEERING & TECHNOLOGY**

(Deemed-University under MHRD, Govt. of India)

LONGOWAL-148106

DISTT. SANGRUR (PUNJAB), INDIA

<http://www.sliet.ac.in>