

INSTITUTE

Sant Longowal Institute of Engineering & Technology (SLIET), Deemed to be University, has been established and funded by MHRD, Government of India in 1991, to provide technical education in emerging areas of Engineering and Technology. 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 certificate, diploma, B.E. M.Tech. and Ph.D. levels in different branches of engineering and technology. The institute has a sprawling area of 451 acres surrounded by lush green land.

DEPARTMENT OF EIE

Electrical and Instrumentation Engineering department is poised to impart technical education related to the development of human resources, from the level of skilled workers to the engineering post-graduates. The courses being run by the department include:

- Integrated Certificate-Diploma Program DEE
- Integrated Certificate-Diploma Program DIN
- B.E. (Instrumentation and Control Engineering)
- B.E. (Electrical Engineering)
- M.Tech. (Instrumentation and Control Engineering)
- Ph.D. Programme

DEPARTMENT OF ECE

The department aims to provide quality education to the youngsters so that they can contribute to the development of the nation. The courses being run by the department include:

- Integrated Certificate-Diploma Program DEC
- B.E. (Electronics and Communication Engineering)
- M.Tech. (Electronics and Communication Engineering)
- Ph.D. Programme

ABOUT THE PROGRAM

The course aims at faculty member/research scholars of engineering institutions and polytechnic approved by AICTE, officials from industry and other Research and Development organizations.

The program will also inspire the faculty members and research scholars to generate new ideas in their research area. This STC will impart hands-on training in computation tools used.

BACKGROUND

The field of Signal and Image Processing is proliferating with ever-new developments and applications. The applications of signal processing and image processing encompass machine vision, Biometric image processing and remote sensing in the fields of Communication, Multimedia, and Medical Imaging etc. The goal of this STC is to promote community-wide discussion of ideas that

will influence and stimulate continued research in the field of Image and Signal Processing in India.

Active research is being conducted in various R&D organizations and academic institutes. Hence it has become important for the educators, practising engineers and the students, to continuously update their knowledge and skills in signal and image processing. This programme is mainly focusing on recent advances in Signal and Image processing. It will help participants to update their knowledge and widen their horizon.

Resource persons

Renowned experts and researchers from premier Institutions (IIT/NITs) and organizations (CSIO/ISRO) and industries will deliver lectures.

This STC is open for the faculty members from AICTE approved Institute, Research Scholars and Post-graduate students.

There is no registration fee for the participants from AICTE approved institutions

The Soft copy of study material, training PPT's will be shared with all the participants

**QIP Sponsored
(Online)
SHORT TERM COURSE
ON**

**Computational Techniques in Image and
Signal Processing**

(Sept 28 – 03 Oct 2020)



**ORGANIZED BY
DEPARTMENT OF EIE & ECE**

**Sant Longowal Institute of Engineering &
Technology**

(Deemed to be University under MHRD, Govt. of India)

**Longowal, Distt. Sangrur-148106
Punjab (India).**

Patron: : Prof. Shailendra Jain,
Director, SLIET
Co-Patron : Prof. A. S. Arora
Dean (Academics)
Convener : Prof. Sanjay Marwaha
Prof. Surinder Singh
Coordinators : Er. Sunil K Bansal
Er. Vivek Harshey

Course Contents

- Fundamentals of Signal/ Image Processing.
- Biomedical Signal/ Image Processing.
- Deep Learning in Signal/ Image Processing
- EEG Signal processing
- Statistical Signal Processing
- Communication Signal Processing
- Medical Image and Signal Analysis
- Character, Graphical and Text Processing
- Image and Video-Based Gesture Analysis
- Feature Selection and Extraction
- Real-Time Issues in Imaging
- Signal and Image Processing Applications in Remote Sensing.

ELIGIBILITY:

This STC is open for the faculty members from AICTE approved Institute, Research Scholars and Post-graduate students.

The number of participants for the course is limited on a first-come, first-serve basis.

MODE OF CONDUCTION

The training program will be conducted on a suitable online platform. All the participants who will attend all the meetings will be issued e-certificates post successful verification of the attendance.

REGISTRATION

The registration will be done online using the following link. The link is also available at <http://sliet.ac.in/>

Link for Registration:

<https://forms.gle/1vpFGmRnpiQ2BiP96>

No registration fees for the participants from AICTE approved institutions.

IMPORTANT DATES

Last date for registration: Sept 25, 2020

Notification of selection: Sept 26, 2020

Address for correspondence

Coordinators:

Er. Sunil K Bansal, A.P. (EIE)

Er. Vivek Harshey, A.P. (ECE)

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