

QIP Sponsored

(Online)

SHORT TERM COURSE

ON

**Recent Trends in Electronics &
Communication Engineering (RTECE-2020)**

(December 20- 25, 2020)



ORGANIZED BY

**Department of Electronics & Communication
Engineering**

**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

**Co-Patron : Prof. A. S. Arora
Dean (Academics)**

Chairman : Prof. Surinder Singh

**Coordinators: Prof. Amar Pratap Singh
Er. Pankaj Kumar Das**

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 programmes include various courses at Integrated Certificate and Diploma, Degree, M.Tech & Ph.D levels in 11 departments of Engineering, Science and Technology. The 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.

LOCATION AND WEATHER

The Institute is located at Longowal village and is connected by road with Sangrur (18 km), Sunam (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 December is winter season and temperature ranges from 20°C to 22°C.

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

RTECE-2020 is aimed to provide a platform where researchers, professionals, key academic and industrial practitioners, engineers, and students involved in the broad field of Electronics and Communication Engineering can discuss on various recent aspects of Electronics & Communication Engineering. The program will also inspire the faculty members and research scholars to generate new ideas in their research area.

BACKGROUND

In the current era of Electronics & Communication Engineering semiconductor devices have been developed along with manufacturing technologies to improve the yield of semiconductor devices. Other important results of R&D efforts in this era are development of Optical fiber, nano technology, need-specific detectors for high-speed optical communications and optical receiver module,

Internet of things, Artificial Intelligence, Machine Learning etc. With the evolution of the computer age, Electronics & Communication engineering has crept into every sphere of human life, thus increasing its scope manifold. Electronics is now a part of our everyday life, from your pocket FM radio to televisions, computers, mobile phones and even the high-end satellites. The current era is coming up with new technological advancements every day. These new developments are done by the engineers turned scientists. This STC programme aims at knowledge dissemination to the academicians, R&D professionals, and research students through experienced faculty from Industries as well as academia with emphasis on the recent issues in the field of Electronics & Communication Engineering.

Resource persons

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

The STC is open to faculty members, research scholars, officials from industry and other Research and Development organizations.

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

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/xDk6nfuSECrE8xfn8>

No registration fees for faculty from AICTE institutes.

Rs. 500/- from faculty members from non-AICTE institutes and industry people.

Course Contents

- Challenges in Electronic System Design
- Real-Time Issues in Imaging
- Signal and Image Processing Applications in Remote Sensing.
- Recent Issues in VLSI Design
- Issues in Communication System
- The Internet of things (IoT)
- Artificial Intelligence
- Need of Sensor Networks in real time Applications
- Importance of Interconnects in System Design
- Importance and effective communication of e-Resources.

ELIGIBILITY:

This STC is open for participants from Industry person, Faculty members from AICTE approved Institute, Research Scholars and Undergraduate, Post-graduate students.

The number of participants for the course is limited to forty (60) 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/xDk6nfuSECrE8xfn8>

No registration fees for faculty from AICTE institutes.

Rs. 200/- from faculty members from non-AICTE institutes people and Rs. 500 from Industry person.

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

IMPORTANT DATES

Last date for registration: December 17, 2020

Notification of selection: December 18, 2020

Address for correspondence

Coordinators:

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Dr. Amar Pratap Singh, Professor (ECE)

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