

INSTITUTE

Sant Longowal Institute of Engineering & Technology (SLIET), Deemed to be University, has been established and funded by MoE, 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 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

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

ABOUT THE PROGRAM

The course aims at faculty members/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

Modern technologies and information tools can be used to maximize agricultural productivity allowing for precision application of agrochemical products. The main focus of this FDP is the state-of-the-art precision agricultural technology highlighting remote sensing, aerial spraying and ground verification technologies.

The precision agriculture sector faces several key challenges in India, and we turn our attentions on them in this FDP:

- Interoperability of different standards
- The learning curve
- Connectivity in rural areas
- Making sense from big data in agriculture
- Non-awareness of the varying farm production functions
- Size of individual management zones
- Entrepreneurship in agriculture sector

Resource persons

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

The FDP 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.

AICTE Sponsored

(Online)

ATAL FDP

ON

**RECENT TRENDS IN PRECISION
AGRICULTURE**

(May 31 - 04 June 2021)



ORGANIZED BY

DEPARTMENT OF ECE & EIE

**Sant Longowal Institute of Engineering &
Technology**

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

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

Patron: : Prof. Shailendra Jain,
Director

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

Convener : Prof. Surinder Singh
Prof. Sanjaya Marwaha

Coordinators: Dr. Dilip Kumar (Prof.)
Dr. Ashwani Kumar (Assoc.Prof.)

Course Contents

- Introduction to Precision Agriculture
- Role of Internet of Things in Agriculture
- Smart Sensors
- Interfacing of different Sensors and Actuators
- Learning techniques.
- Evolutionary computations, and Expert systems.
- Fundamentals of Vision and Need of Precision Agriculture.
- Probability-based systems and fuzzy systems.
- Automation in Agriculture.

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 sixty (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/k3xLCe4h9cx83vhAA>

No registration fees for faculty from AICTE institutes.

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

For online-payment, the bank account details are as follows:

A/C Name: - <to be provided>

Bank Name: - Central bank of India, SLIET

Account No: - <to be provided>

IFSC Code: - CBIN0283105

IMPORTANT DATES

Last date for registration: May 20, 2021

Notification of selection: May 25, 2021

Address for correspondence

Coordinators:

Dr. Dilip Kumar, Prof. (ECE)

Dr. Ashwani Kumar, Associate .Prof. (EIE)

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