

ATAL FDP

(Online)

GREEN TECHNOLOGY

23-27 August 2021

ORGANIZED BY



Department of Electrical & Instrumentation Engineering

Sant Longowal Institute of Engineering & Technology (SLIET)

(Deemed to be University under MoE, Govt. of India)
Longowal-148106, District Sangrur, Punjab, India

SPONSORED BY



AICTE Training And Learning (ATAL) Academy
All India Council for Technical Education (AICTE)
New Delhi, India

ABOUT THE INSTITUTE



Sant Longowal Institute of Engineering & Technology (SLIET), Deemed to be University, was established in 1991 and is funded by the Ministry of Education (MoE), Government of India. The institute is committed to provide best possible technical education and to cater to the technical manpower requirements with emphasis on practical training in industry. The study programs include various courses at certificate, diploma, B.E., M.Tech., and Ph.D. levels in various disciplines of engineering and technology. All the B.E. programmes offered by the institute are accredited by the National Board of Accreditation (NBA). The institute has a sprawling area of 451 acres of land. Surrounded by lush green land, the campus of the institute extends a beautiful and well developed area with many topographically featured picturesque landscapes, numerous buildings of various nature and stature and a metal road network. The campus presents a spectacle of harmony and natural beauty. It is embedded with all the amenities required for a complete township.

INSTITUTE VISION

SLIET shall strive to act as an international podium for the development and transfer of technical competence in academics through formal and non formal education, entrepreneurship and research to meet the changing need of society.

INSTITUTE MISSION

- Non formal, flexible, modular, multipoint entry programmes in engineering and technology and in the areas like rural development, educational planning, information and management sciences.
- Education and training in modern technology areas.
- Promotion of self development among the students.
- Extension services to industry working population, passed-out students, social organizations and institutions of research and higher learning.
- Close interface with the industry to conduct research on the basis of manpower requirements leading integrated educational planning curriculum development and instructional material preparation in technology and inter-disciplinary areas.
- Promotion of institute-institute linkages for sustainable development of academic and research.

DEPARTMENT OF EIE

The department of Electrical and Instrumentation Engineering is poised to impart technical education related to the development of manpower, from the level of skilled workers to the engineering post-graduates. The focus of the department is to discover the true potential of students by creating a challenging yet interesting curriculum. The department has been awarded a number of sponsored research projects from various Govt. agencies such as AICTE, MoE, DST etc. The department caters to the manpower and technical requirements of various sophisticated and household industries. The courses being run by the department include:

- Integrated Certificate Diploma (ICD-CEN)
- Integrated Certificate Diploma (ICD-CSMM)
- B.E. (Instrumentation & Control Engineering)
- B.E. (Electrical Engineering)
- M.Tech. (Instrumentation & Control Engineering)
- Ph.D. Programme

ABOUT THE PROGRAMME



Green technology uses technology in manufacturing, processing, and utilization of products that are environment friendly. It helps in reducing emissions, reducing waste, and conserving the natural resources. Green technology is an amalgam of various disciplines of science and technology including but not limited to environmental science, electrical engineering, Computer science & engineering, mechanical engineering, chemical engineering, and civil engineering. The AICTE Training and Learning Academy's online QIP STC on Green Technology aims to disseminate the knowledge on green technology to the participants through Interactive/online lab practice sessions. The main topics to be covered in the FDP include:

- Green Technologies for Sustainable Energy Supply
- ATC of Transmission System with Renewable Energy Sources
- Role of Green Technology in Water Treatment
- Renewable Energy Based Technologies
- Air Pollution & Climate Change
- Solid Waste Management in Separation of Acids using Reactive Extraction
- Green Manufacturing Practices in Process Industries
- Community Engagement for Green Consumerism

- Health and Happiness - Art of Living
- Emerging Solar Cells for Green Nano Smart Membrane Devices
- Solar Photovoltaic Systems: Basics & Design Principle
- Processing of Green Composite Materials
- Green Technologies For Wastewater Treatment
- Transformation of Biomass into Fuels

RESOURCE PERSONS

- Dr. K. Srinivas Reddy, IIT Madras
- Dr. Ashwani Kumar, NIT Kurukshetra
- Dr. Pratik Kumar, IIT Jammu
- Dr. Poonam Sayal, NITTTR Chandigarh
- Dr. Ajay Vikram Ahirwar, NIT Raipur
- Dr. Dharm Pal, NIT Raipur
- Dr. Rohidas Gangaram Bhoi, Malaviya NIT Jaipur
- Dr. Shampy Kamboj, NIT Hamirpur
- Dr. S.N. Rangnekar, IIT Roorkee
- Dr. Rudra Sankar Dhar, NIT Mizoram
- Dr. Amitesh Kumar, NIT Patna
- Dr. Kishore Debnath, NIT Meghalaya
- Dr. Anushree Malik, IIT Delhi
- Dr. Mushtaq Ahmad Rather, NIT Srinagar

PROSPECTIVE PARTICIPANTS

The faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/ Technicians/ Participants from Industry etc.) / School Teachers and staff of SLIET.

The seats are limited to 200 candidates. The preference will be on a first-come-first serve basis.

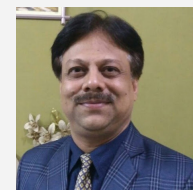
ONLINE REGISTRATION

<https://www.aicte-india.org/atal>

IMPORTANT NOTE

- An online exam for the participants is scheduled on 27 August 2021.
- At least 80% attendance and at least 60% score in the online exam is mandatory for issuing certificates to the participants.
- Online issue of certificates from ATAL portal

PATRON



Prof. Shailendra Jain
Director, SLIET

CO-PATRON



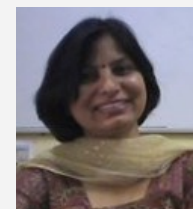
Prof. J. S. Dhillon
Dean (Academics), SLIET

CONVENOR



Prof. Surita Maini
Head, Department of EIE, SLIET

COORDINATORS



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