About SLIET Longowal



Sant Longowal Institute of Engineering & Technology (SLIET), deemed to be University, was established and funded by the 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. MTech. and Ph.D. levels in different branches of engineering and technology. 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.

Institute Vision

Sant Longowal Institute of Engineering and Technology 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 needs of society.

About ECE Department

The Department of Electronics and Communication Engineering aims to provide quality education to youngsters so that they can contribute to the development of the nation. Promoting Industry involvement in student projects, placement, joint R & D ventures, organizing collaborative programs with premier institutions are the prime objectives of the department. The department has experienced, dedicated, and highly qualified faculty in specialized areas with significant publications in reputed journals. The department has been awarded several sponsored research projects from various Govt. agencies such as AICTE, MHRD, DST, etc. The curriculum reflects dynamic changes relevant to today's marketplace and offers more opportunities for internships and training to the students. The courses being run by the department include:

- Integrated Certificate-Diploma Program
- B.E. (Electronics & Communication Engg.)
- M. Tech. (Electronics & Communication Engg.)
- M. Tech. (VLSI Design)
- Ph.D. Program

About the Programme

The one-week FDP is proposed to strengthen scientific writing and research planning through structured exposure to widely used digital tools. The programme covers scientific and technical document preparation using LaTeX and MS Word, research proposal writing, reference management, data analysis and visualization, technical diagrams, presentations, research workflow, collaboration and responsible use of Artificial Intelligence (AI).

One-Week Faculty Development Programme (Hybrid Mode)
on

Modern Tools for Scientific Writing, Data Visualization and Research Communication (MTSDR-2026)

Dec. 28, 2026 – Jan. 01, 2027

Organized by

Department of Electronics & Communication Engineering
Sant Longowal Institute of Engineering & Technology Longowal – 148106, Sangrur, Punjab
(Deemed to be University under Ministry of Education, Government of India)



Objectives of Programme

- To develop skills in scientific and technical writing using MS Word and related tools.
- To introduce LaTeX/Overleaf and reference-management tools for reports, theses and manuscripts.
- To develop skills in data analysis, visualization and publication-quality figure preparation using Python, Excel and related tools.
- To familiarize participants with technical diagrams, flowcharts and research methodology visualization using draw.io and PowerPoint, TikZ.
- To introduce research workflow, collaboration and version-control practices using GitHub Desktop.
- To familiarize participants with AI tools for scientific writing, editing and research support.
- To develop the ability to prepare well-structured research documents and publication-quality research outputs.

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Expected Outcomes

- Better structured manuscripts, reports and research documents
- Efficient citation and bibliography management
- Improved quality of scientific figures, diagrams and presentations
- Greater awareness of research integrity, plagiarism, authorship and AI-related issues
- A clearer end-to-end workflow for research communication
- Improved research proposal development skills

Small Steps
Big Research Possibilities

Registration Details

Who can attend:

Faculty and Research Scholars, UG/PG Students, and Industry personnel.

Registration fee:

Registration link:

https://forms.gle/rsjHM3Gfsp97WrqT9

Rs. 100 for internal research scholars/students and Rs. 250/- for Faculty and staff (exempted for SLIET employee). Rs. 500/- for Industry Persons.

Last Date for Registration: December 18, 2026

Programme Features

- Sessions by experienced faculty and experts
- Hands on demonstrations of useful tools
- Practical and easy-to-follow approach
- Interactive sessions and doubt clearing
- E-certificate for all participants

Contact Persons

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Organizing Team

Chief Patron

Prof. Mani Kant Paswan, Director, SLIET

Patron

Prof. A.S. Shahi, Dean (Academics), SLIET

Chairman

Prof. Dilip Kumar, HoD, ECE

Coordinators

Dr. Alka Singla
Assistant Professor, ECE

Dr. Vivek Harshey
Assistant Professor, ECE

Online Payment Details

Account Number:	4178501368
Bank Name:	Central Bank of India, SLIET
Branch Name:	Longowal
IFSC Code:	CBIN0283105
Scan me	MTSDR 2026 SCAN & PAY UPI ID: 20261123000205-qrp@cbin

Scan me to register