
ABOUT THE FDP

This Faculty Development Program is designed to provide participants with practical and industry-oriented knowledge of LiDAR technology, covering its fundamental principles, data processing, mapping applications, terrain modelling, hydrology, and engineering applications.

The program progresses from LiDAR fundamentals to advanced applications involving Airborne Laser Scanning (ALS), Mobile Laser Scanning (MLS), integrated data processing, corridor mapping, terrain modelling and hydrology.

DAY-WISE SCHEDULE

DAY 1 – FOUNDATIONS

LiDAR Principles, Point Cloud and Terrain Modeling

DAY 2 – AIRBORNE LASER SCANNING

Flight Planning, ALS Data Processing and Hydrology Applications

DAY 3 – MOBILE LASER SCANNING

MLS System Setup, Corridor Mapping and Engineering Applications

DAY 4 – INTEGRATED PROJECT

Raw Data Integration, Corridor Mapping, Terrain & Hydrology

DAY 5 – DELIVERABLES & EVALUATION

Report Preparation, Final Presentation and Assessment

INFORMATION TO APPLICANTS

Targeted Participants:

Faculty Members / Research Scholars from Technical Institutions alone are eligible to apply for this FDP

Mode of FDP:

The program will be conducted in Offline Mode.

Last Date for Registration: 30.09.2026

Acceptance intimation 01.10.2026

Duration: 5 Days

Organized by the Department of Electronics and Communication Engineering, CEG Campus, Anna University in Association with MAPe Academy

Venue: Mini Auditorium, ECE Department, Anna university

Registration:

- No Registration Fee
- No TA/DA will be provided.
- Refreshments alone will be served to the registered participants.

SCAN HERE TO
REGISTER



FACULTY DEVELOPMENT PROGRAMME ON LIDAR TECHNOLOGY

IN ASSOCIATION WITH

MAPe Academy

5th to 9th October 2026



Organized by
Department of ECE
CEG Campus, Anna University,
Chennai - 600025

ABOUT THE INSTITUTION

Anna University, one of India's prominent institutions for higher education in Engineering, Technology, Architecture and Applied Sciences, was established on 4th September 1978 as a unitary type of University.

The University is committed to providing quality education, promoting innovation and advancing research in emerging areas of science and technology. It focuses on developing technically competent professionals who can address the evolving needs of society and industry.

Anna University provides an environment that encourages academic excellence, research, innovation and collaboration. Through its academic programmes, research activities and industry interactions, the University contributes to technological development and knowledge creation.

Key Highlights

- Established in 1978
- Higher education in Engineering, Technology, Architecture and Applied Sciences
- Strong emphasis on research and innovation
- Focus on emerging and advanced technologies
- Encourages academic–industry collaboration
- Promotes interdisciplinary learning and knowledge exchange
- Supports development of industry-relevant technical skills
- Provides an environment for professional and research-oriented development

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering (ECE) provides an academic and technical environment for learning, research and innovation in electronics, communication and emerging engineering technologies.

The department focuses on developing strong theoretical knowledge, practical skills and problem-solving abilities among students and professionals. Its academic and technical activities provide opportunities to understand modern technologies and their applications in real-world engineering problems.

The ECE Department also provides a suitable platform for exploring multidisciplinary technologies such as sensing systems, signal processing, embedded systems, communication technologies, electronics and advanced data acquisition systems.

As part of this Faculty Development Program, the department provides a platform for participants to gain exposure to LiDAR technology, laser scanning, point cloud processing, mapping and engineering applications.



ORGANIZING COMMITTEE

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Anna University

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Registrar(i/c), Anna University

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