

ABOUT OUR COLLEGE

Rooted in the Jesuit legacy of education for social transformation, LICET was established in 2010 through a collaboration between Loyola College Society, Chennai and ICAM, France. Carrying forward the Jesuit mission of empowering the marginalized and building leaders for society, LICET integrates technical excellence with values of service, compassion, and global citizenship. Situated within the vibrant Loyola College campus in Chennai, LICET offers state-of-the-art infrastructure, international exposure, and industry-linked programs to equip students with the skills required to meet the challenges of an ever-evolving world of science and technology. The institution emphasizes academic rigor, innovation, creativity, and holistic growth, ensuring that its graduates are not only competent engineers but also responsible leaders committed to the betterment of society.

EEE DEPARTMENT

The EEE Department at LICET equips students with the knowledge and skills to excel in power electronics, renewable energy, electric vehicles, automation, and power systems. Students engage in projects, internships, and global exchange programs to enhance their technical expertise and leadership qualities. Guided by experienced faculty, the department nurtures innovation, problem-solving, and social commitment, preparing graduates to become competent engineers driving sustainable growth and technological advancement.



[loyola_icamofficial](https://www.loyola_icamofficial.com)

ABOUT THE FDP



This FDP aims to provide faculty and researchers with a comprehensive understanding of how optimization techniques and artificial intelligence (AI) are reshaping the future of renewable energy. It focuses on integrating smart technologies with energy systems to enhance efficiency, reliability, and sustainability. The program emphasizes the role of digital innovation, data-driven decision-making, and intelligent automation in addressing the growing challenges of the global energy sector.

By bringing together advanced concepts, practical insights, and research directions, the FDP equips participants with the skills, tools, and methodologies needed to strengthen teaching, foster impactful research, and promote industry collaboration in the field of next-generation renewable energy systems.



Loyola-ICAM College of Engineering and Technology (LICET), (Autonomous)

Nungambakkam, Chennai.

**A Six Days Online
Academic-Industry Collaborative
Learning Series**

"Smart Energy : Optimization and AI for Next-Generation Renewable Systems"

8th September to 13th September, 2025

Organised by

**Department of Electrical and
Electronics Engineering**

www.licet.ac.in

VISION OF EEE DEPARTMENT

To Transform the Students into Globally competent Electrical Engineers, Researchers and Entrepreneurs, and thereby contributing value to the Technological needs of the Society

MISSION OF EEE DEPARTMENT

- To equip the students with advanced knowledge and technological skills to cater to the needs of Industries.
- To enable students to create and develop innovative engineering applications for the benefit of Marginalized communities.
- To enable students to become responsible citizens with a willingness to make a Positive difference to society through their education.

KEY SESSIONS



Artificial Intelligence (AI) in Renewable Energy

*Dr Beaulah Aloysius,
Associate Director - Artificial Intelligence and Data at Verizon, Colorado Springs, Colorado, USA.*



Introduction to Smart Energy and Renewable Systems

*Mr Rathinasamy K S,
Co-Founder & Director,
Enthu Technology Solutions India Pvt. Ltd.,
Coimbatore, Tamil Nadu, India.*



Fundamentals of Optimization Techniques for Battery Storage Energy Systems

*Mr Vijaya Kumar D,
Head Technical & Operation,
Team Energy Electric Venture Pvt. Ltd.,
Chennai, Tamil Nadu, India.*



Data Analytics for Smart Energy

*Mr Chandrasekaran V, M.Tech (BITS, Pilani),
Founder, NITAS (Inspection, Testing & Auditing Services), India & Bangladesh.*



Machine Learning for Solar and Wind Power Forecasting

*Mr Sateesh Vidhyanadhan,
Founder & CEO Finasolve, ndira.ai,
cognicam.ai, GotUs AI and ShiftEasy Limited,
London, UK.*



Legal Frameworks and Regulatory Policies for Smart Energy Development

*Mr Chad Blevins,
Managing Partner, Repower Holdings LLP,
Austin, Texas, USA.*



Digital Twins for Renewable Energy Systems

*Dr Saravanan P,
Assitant Professor,
Department of Computing Technologies,
SRM Insitute of Science and Technology,
Kattankulathur, Chengapattu, Tamil Nadu, India.*



Smart Energy Remote Monitoring Systems

*Dr Amuthavalli Gopal,
Professor and Head-Research & Development,
Coordinator - AICTE IDEA Lab,
Sri Venkateshwaraa College of Engineering & Technology, Puducherry, India.*



Electric Vehicles and Charging Infrastructure

*Dr Seyezhai R,
Professor,
Department of Electrical and Electronics Engineering,
Sri Sivasubramaniya Nadar College of Engineering, Chennai, Tamil Nadu, India.*



Building Trust in the Digital Grid: Cybersecurity for Next-Gen Energy

*Dr Vigneshwari S,
Associate Professor Senior,
SCOPE, VIT, Chennai, Tamil Nadu, India.*



Future Directions and Emerging Trends

*Mr Kannan S,
CEO, greENERGY SOLAR SOLUTIONS,
Puducherry, India.*

“Powering the Future with Smart Energy.....”



Convener

Mr Infantraj A,
Assistant Professor & HoD,
EEE, LICET

Coordinator

Dr Inba Remy A,
Associate Professor,
EEE, LICET

Co-coordinator

Dr Nancy Mary J S,
Assistant Professor,
EEE, LICET

Contact

+91-9840119981

nancymary.js@licet.ac.in



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