

ABOUT KINGS

Kings College of Engineering (Autonomous) is an Institution which was formed with the single aim of providing quality education to the poor and underprivileged students. KCE is a NAAC accredited institution approved by All India Council for Technical Education (AICTE), New Delhi and is affiliated to Anna University, Chennai. The institution was established in the year 2001 on a sprawling campus of around 48 acres on the Thanjavur-Pudukkottai Highway and run by Raj Educational Trust (RET), Chennai, with a clear and concrete motive of spreading the wealth of knowledge. The institution offers 7 U.G and 4 P.G programmes. Department of Electronics and Communication Engineering & Department of Mechanical Engineering have Research Centres recognized by Anna University, Chennai.

ABOUT THE DEPARTMENT

The Electrical and Electronics Engineering department, established in 2001, offers 4-year B.E. course and 2-year M.E. course in Power Electronics and Drives. With highly qualified faculty, the department provides quality education supported by state-of-the-art labs and simulation software. Department of EEE organizes national-level workshops, Industry Experts Talks, and the annual technical symposium-‘ENIGMA’, industrial visits, in-plant training, and guest lectures by experts to enhance practical learning. The department actively supports student projects through government funding and offers value-added courses like PLC, SCADA, and Embedded Systems. Faculties also conduct research in emerging areas of electrical domain and the department is an approved research center under Anna University for Ph.D. programs.

ORGANIZING COMMITTEE

CHIEF PATRON
Dr. R. Rajendran
Secretary

PATRON
Dr. J. Arputha Vijaya Selvi
Principal

CO-PATRON
Dr. S. Sivakumar
Vice Principal

CONVENER
Mr. R. Sundaramoorthi
HOD/EEE

COORDINATOR
Dr. G. Suganya
Associate Professor,
Dept of EEE
Phone: 94864 90254

CO COORDINATOR
Dr. S. Kannan
Professor,
Dept of CSE
Phone: 93440 84894

REGISTRATION

- No Registration fees as the program was sponsored by AICTE training and learning (ATAL) Academy
- Interested participants can register using the following link
<https://atalacademy.aicte-india.org/login>
- Last Date to Apply : 13.11.2026

SCAN FOR
REGISTRATION

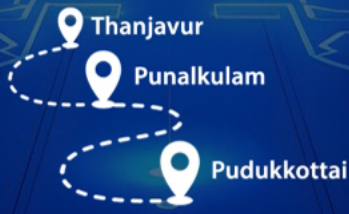


WHO CAN ATTEND

The faculty members of the AICTE approved Institutions, Research scholars, PG Scholars, Participants from Government Industry (Bureaucrafts / Technicians / Participants from Industry etc.)

NOTE : Minimum 80% attendance and 70% Marks in Assessment are mandatory requirements for obtaining the certificate

HOW TO REACH



SCAN FOR
LOCATION



FACULTY DEVELOPMENT PROGRAM ON
Data Analytics, AI and Edge Intelligence
for Electrical Power and Energy Engineering

Sponsored by
AICTE TRAINING & LEARNING ACADEMY

DATE : 16.11.2026 to 21.11.2026



Organized by
Department of Electrical and Electronics Engineering
Kings College of Engineering
Punalkulam, Gandarvakottai Taluk (Near Thanjavur),
Pudukkottai District, Tamil Nadu - 613 303
Phone : +91 63809 89024

OBJECTIVES

- To provide comprehensive knowledge in data science, artificial intelligence, and emerging technologies for advanced research in electrical engineering domains such as power systems, electric vehicles, power electronics, high voltage engineering and instrumentation.
- To familiarize participants with data-driven methodologies, computational and intelligent modeling approaches for solving complex engineering problems.
- To bridge the gap between theoretical concepts and real-world applications by integrating IoT and edge computing technologies.
- To promote interdisciplinary research, enabling faculty to identify research problems, develop innovative solutions, and enhance their academic and research capabilities.

OUTCOME

- Proficiency in data science and artificial intelligence techniques for analyzing complex electrical engineering problems and data sets.
- Capability to design and implement intelligent and data-driven models for applications such as fault diagnosis, energy forecasting, and system optimization.
- Practical experience in integrating IoT and edge computing solutions for real-time monitoring, control, and smart electrical systems.
- Strong foundation for interdisciplinary research and innovation, enabling publication in reputed journals and development of impactful project proposals in emerging electrical engineering domains.
- Enhanced ability to contribute to advanced technological development and industry-relevant research in modern electrical engineering systems.

ACADEMIC EXPERTS

Dr .B. CHITTI BABU
HOD, Dept of ECE,
IIITDM, Kancheepuram

Dr. S. ALBERT ALEXANDER
Associate Professor (Senior,)
Dept of SELECET,
VIT, Vellore

Dr. NASIRUL HAQUE
Assistant Professor,
Department Electrical Engineering ,
NIT, Calicut

Dr. SHIRAZ SOHAIL
Assistant Professor, Dept of ICE,
NIT, Trichy

Dr. M. VENKATESHKUMAR
Assistant Professor (Sr. Gr.) / Dept of EEE,
Amrita Vishwa Vidyapeetham, Coimbatore

Dr. V. THANIKAISELVAN
Professor – Grade II / Dept of SELECT,
VIT, Vellore

INDUSTRY EXPERTS

Dr. SHANKAR RAMACHANDRAN
Assistant General Manager,
Switch Mobility Automotive Limited, Chennai.

Dr. MUTHUKUMAR NATARAJAN
Senior Manager – Digital Processing Solutions,
Optiverse Enterprise Pvt Ltd, Chennai

Dr. SHIVASHANKAR SUKUMAR
Associate Consultant,
Global Logic Pvt. Ltd., Chennai

Mr. R. SRINIVASA SANKARKUMAR
EE Architect, Schaeffler AG

AICTE TRAINING AND LEARNING ACADEMY

The objective of AICTE's Training and Learning (ATAL) is to impart quality training through Faculty Development Programmes (FDPs) for faculty members, postgraduate students, research scholars, and industry professionals so that the participants:

- Acquire sound domain knowledge and associated skill sets to apply in real-life situations with industry connect.
- Are equipped with institutional leadership skills for academic leadership.
- Understand their roles in community well-being, nation building, and their own career development.
- Can effectively communicate knowledge and skill sets to students in an efficient manner, and have their teaching-learning effectiveness assessed.

TOPICS TO BE COVERED

- Intelligent Control Techniques for Grid-tied Solar PV System with Power Quality Features.
- Machine Learning for Edge Devices.
- Edge AI Techniques for Power Converters and Drives.
- Advanced Data Processing Techniques for Partial Discharge based Condition Monitoring of High Voltage Power Equipment.
- Analysis of High voltage Signals using Machine Learning.
- Advanced Analog and Mixed Signal circuits for Sensors Systems.
- From Sensors to Insights : IoT for a Smarter Tomorrow
- Electric Vehicles: Challenges, Constrains, and Intelligent Solutions.
- EV Architectures and HV Systems.
- Comprehensive Assessment and Valuation: Design Principles and Practice.