

About the Institution

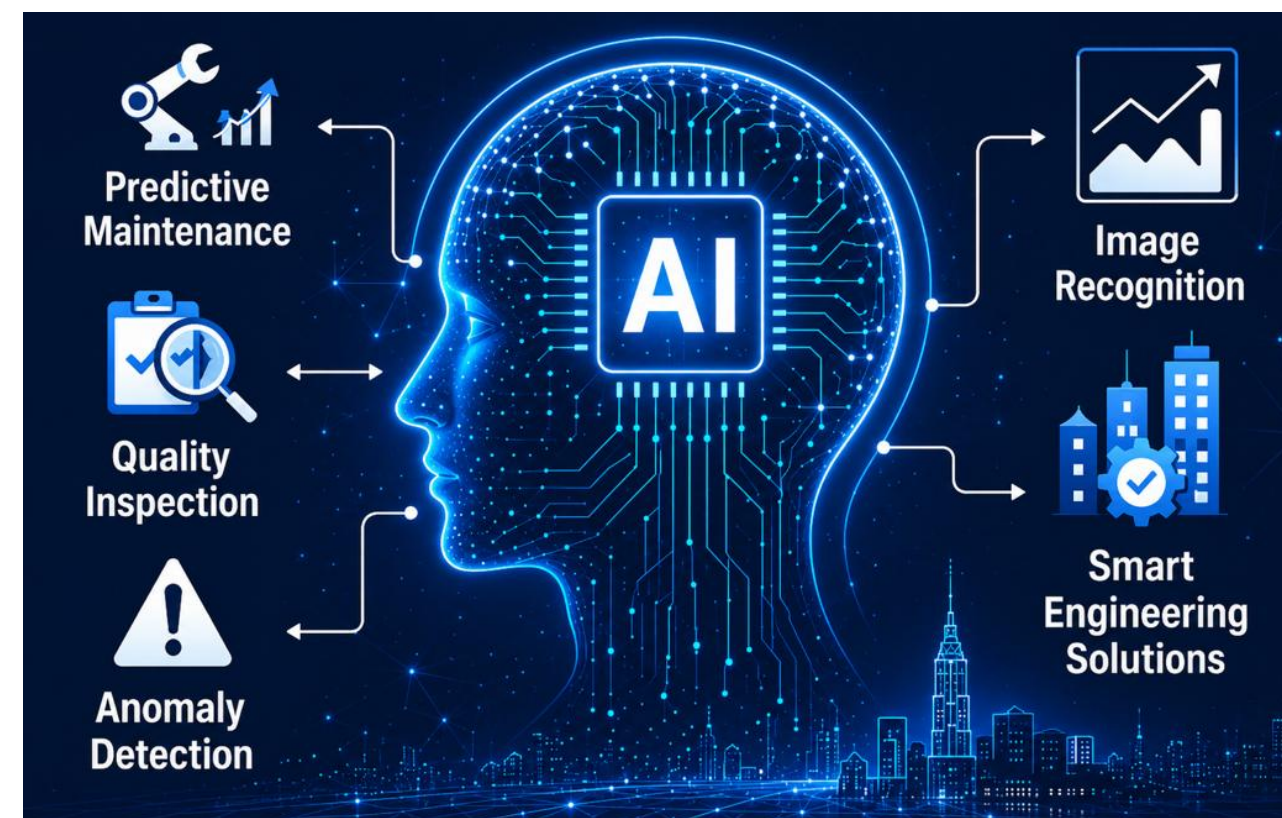
K.L.N. College of Engineering (KLNCE), an autonomous institution, is the first self-financing Co-educational engineering college in Madurai. Established in 1994 through the generosity of philanthropists and well-wishers from the Sourashtra Community—a linguistic minority in Tamil Nadu—the college was sponsored by a distinguished committee of industrialists and academicians led by the visionary educationalist and industrialist, the late Thiru. K.L.N. Krishnan. The college is approved by the All India Council for Technical Education (AICTE), New Delhi, and is affiliated with Anna University, Chennai. Located on the southeastern outskirts of Madurai, 11 kilometers along the Madurai-Nedungulam Road, the campus spans 53.8 acres. KLNCE offers Eight Undergraduate Programs, Five Postgraduate programs, and Doctoral programs in engineering. It is accredited by the National Assessment and Accreditation Council (NAAC) and holds ISO 9001:2015 certification.

About Mechanical Engineering Department

The Department of Mechanical Engineering was established in 1994. It boasts a team of highly qualified and experienced faculty members with backgrounds in both research and industry. The department features state-of-the-art laboratories designed to provide students with hands-on practical experience. It has earned accreditation from the National Board of Accreditation (NBA) in New Delhi for the seventh time. Additionally, Anna University in Chennai has designated the Department as a Research Centre for Ph.D. studies, with Six faculty members recognized as supervisors for guiding research scholars.

About CSE(IoT) Department

The Department of Internet of Things (IoT) is committed to providing high-quality education and fostering innovation in the rapidly evolving field of connected technologies. The department equips students with strong theoretical foundations and practical skills to design, develop, and deploy intelligent IoT solutions for real-world applications. The curriculum integrates core areas such as embedded systems, sensor networks, wireless communication, cloud computing, edge computing, artificial intelligence, machine learning, data analytics, and cybersecurity. Through state-of-the-art laboratories, industry-oriented projects, internships, and research activities, students gain extensive hands-on experience in building smart devices and intelligent systems.



K.L.N. College of Engineering

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Pottapalayam, 630 612

Sivagangai Dist., Tamilnadu www.klnce.edu

A Five-Day Online Faculty Development Programme

on

AI Across Engineering Disciplines - Fundamentals and Frontiers

04 - 08 - 2026 to 08 - 08 - 2026



Organized by

Department of Mechanical Engineering

(Accredited by NBA, New Delhi, 7 th time)

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Department of CSE (IoT)

About the FDP:

Artificial Intelligence, Machine Learning, and Deep Learning are rapidly transforming the way engineers design, analyze, and solve complex real-world problems. Understanding these foundational technologies and their practical applications has become essential for educators across engineering disciplines. This Five-Day Faculty Development Programme (FDP) aims to provide participants with a strong conceptual foundation in AI, ML and DL and their applications in engineering education and research. The programme will cover Regression and Classification Algorithms, Clustering Techniques, Neural Networks and Convolutional Neural Networks through expert-led sessions. Participants will explore how these techniques apply to predictive maintenance, quality inspection, anomaly detection, and image recognition across domains. The FDP will also address emerging trends in intelligent systems.

Objectives

- To provide foundational knowledge of Artificial Intelligence, Machine Learning and Deep Learning.
- To introduce regression and classification algorithms and their engineering applications.
- To understand clustering techniques and the fundamentals of neural networks.
- To explore convolutional neural networks.
- To identify emerging trends and future directions in intelligent systems.

Key Themes

- Evolution of AI Landscape
- Regression and Classification Algorithms in Practice
- Clustering Algorithms Overview
- Neural Networks Fundamentals and Design
- Convolutional Neural Networks
- Advances in AI

Expected Outcomes

- Understand the core concepts and applications of Machine Learning.
- Gain conceptual clarity on regression and classification techniques.
- Apply clustering techniques to identify meaningful data patterns.
- Understand neural network architectures and their working principles.
- Explore convolutional models for real engineering applications.
- Gain awareness of advances in AI.

Target Participants

- Faculty members from Engineering, Technology, Science and Management disciplines
- Research scholars and PG students.

Registration Link:

<https://forms.gle/Ww4Ak92acVhbhx1Z8>

Registration Fee: No registration fee for participants.

Patron

Dr. A.V. Ramprasad
Principal

Conveners

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HOD / Mechanical Engineering

Dr. P. Premkumar
HOD / CSE (IoT)

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Professor, Mechanical Engineering

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