

ABOUT THE COLLEGE

Nandha Educational Trust was promoted by Thiru.V.Shanmugan B.Com., as chairman cum managing trustee with a vision to serve and lead the society by imparting quality and value based education as the mission. Nandha Engineering College was started on 2001 and is affiliated to the Anna University. The institute is accredited by National Board of Accreditation (NBA), NAAC with a grade of A+ and granted autonomous status in the year 2013. The College located in a serene atmosphere at a distance of 13 km from Erode. The college has state of the art infrastructural facilities and offers 12 undergraduate, 5 postgraduate programmes in various disciplines of Engineering and Technology.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering (ECE) was established in the year 2001 and one of the most well-established departments in our Institution. It offers Undergraduate programs (4 years) and Postgraduate programs (2 years). It is equipped with outstanding infrastructure and laboratories such as Antenna Lab, Nano Research Lab, DSP Lab, VLSI Lab, Optical & Microwave Lab and Communication Lab. Dedicated faculty members work with enthusiasm to provide a vibrant and optimum learning environment. It has an excellent placement record which has been consistently above 85% for the past several years. It is a vital hub in fostering innovation and expertise in the field of electronics and communication. One of the key focuses of our department is to nurture creativity and problem-solving abilities among students, through Projects, Workshops, and Research opportunities, students are encouraged to explore their innovative ideas and apply their knowledge to real-world challenges.

ABOUT THE WORKSHOP

The workshop on “AI-Enabled IoT Decision-Making Systems with Edge Computing and Real-Time Data Analytics for Sustainable Solutions” aims to provide comprehensive exposure to the design, development, and deployment of AI based intelligent decision-making systems for smart and sustainable applications. The workshop will focus on modern IoT architectures, sensor data acquisition, edge intelligence, Machine learning and Deep learning techniques, and real-time analytics frameworks that enable timely, accurate, and autonomous decision-making. Emphasis will be placed on edge-based processing to reduce latency, enhance scalability, and improve energy efficiency in large-scale IoT deployments. Participants will gain hands-on experience with IoT platforms, edge devices, data analytics tools, and AI models through practical demonstrations and case studies.

TOPICS TO BE COVERED

- Architectural Foundations of AI-Driven IoT Decision Systems
- Real-Time Data Acquisition and Intelligent Processing in IoT
- Edge Computing Frameworks for Low-Latency AI Deployment
- Machine Learning Models for IoT-Based Predictive Intelligence
- Streaming Analytics and Real-Time Decision Mechanisms
- Design of Autonomous Edge-Enabled Decision Support Systems
- Secure and Privacy-Preserving AIoT Architectures
- Scalable AI-IoT Solutions for Smart and Sustainable Applications
- Hands-On Implementation: Edge AI Tools and Deployment Strategies

OUTCOME OF THE WORKSHOP

The main outcome of the workshop is to

- Gain understanding of the principles, architectures, and applications of AI Enabled Internet of Things (IoT), Artificial Intelligence, Edge Computing, and real-time data analytics in intelligent decision-making systems.
- Develop practical strategies and technical solutions for designing and deploying IoT-based intelligent decision-making frameworks in real-world smart and sustainable application domains.
- Acquire hands-on experience with IoT platforms, edge devices, AI/ML models, and real-time data analytics tools for predictive and autonomous decision-making.
- Engage with domain experts, researchers, and academicians to exchange knowledge, share best practices, and foster interdisciplinary research collaborations in intelligent IoT systems.
- Empower participants with knowledge, skills, and tools required to drive innovation, research, and sustainability through data-driven and intelligent IoT solutions aligned with national priorities.

The workshop aims to empower participants with the knowledge and tools necessary to drive innovation and efficiency in AI and IoT through the integration of modern technologies.

MODE OF CONDUCTION: OFFLINE MODE

The sessions of workshop will be conducted at Conference hall ,Nandha Engineering College,Erode.

ACCOMMODATION

Free accommodation will be provided for the outside participants.



REGISTRATION LINK

<https://forms.gle/9sVnU226THXmuZoP6>

REGISTRATION

FREE



ADDRESS FOR COMMUNICATION

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ORGANIZING COMMITTEE

Chief Patrons : Thiru V.SHANMUGAN,
Chairman,
Sri Nandha Educational Trust.
Thiru S.NANDHAKUMAR PRADEEP,
Joint Managing Trustee,
Sri Nandha Educational Trust.
Thiru S.THIRUMOORTHY,
Joint Managing Trustee,
Nandha Educational Institutions.

Patron : Dr. U.S.Ragupathy, Principal
Convenor : Dr. C. N. Marimuthu, Professor(ECE) & Dean(R&D)
Dr. S. Kavitha, Professor & Dean / ECE
Coordinators : Ms.Niji.P.S, AP/ECE ,
Ms.Gunasundari.V, AP/ECE.

IMPORTANT DATES

- Last Date of Registration : 03.06.2026
- Notification of Selection : 05.06.2026

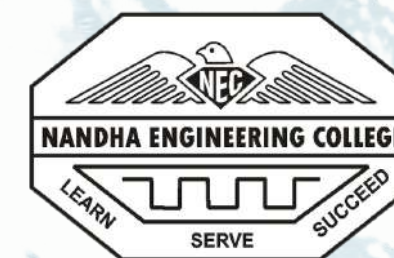


ANRF SPONSORED FIVE DAYS NATIONAL LEVEL WORKSHOP

on
"AI-Enabled IoT Decision-Making Systems
with Edge Computing and Real-Time
Data Analytics for Sustainable Solutions"

08.06.2026 to 12.06.2026

Organized by



Department of
Electronics & Communication Engineering
Nandha Engineering College
(Autonomous)

(Approved by AICTE, New Delhi, Affiliated to Anna University - Chennai
Accredited by National Board of Accreditation (NBA), New Delhi.)
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