



R.M.D. ENGINEERING COLLEGE

(An Autonomous Institution)

R.S.M. Nagar, Kavaraipeetai, Tiruvallur District – 601 206, Tamil Nadu, India



Sponsored by
ISTE – BNY

Knowledge Enhancement Program

Faculty Development Programme

on

INTELLIGENT EMBEDDED AND CYBER – PHYSICAL SYSTEMS: NEXT-GEN AI INTEGRATION AND DESIGN

11th – 16th May 2026

Organized by

Department of Electronics and
Communication Engineering

(Online Mode)



ABOUT THE FDP

The primary goal of this FDP is to bridge the gap between theoretical concepts and real-world applications in Intelligent Embedded Systems and Cyber-Physical Systems (CPS) and to equip faculty with skills to address challenges in AI-integrated embedded environments.



ABOUT THE COLLEGE

R.M.D. Engineering College, established in 2001 by Founder Chairman Shri. R.S. Munirathinam, has become an excellent institution over the past 24 years. The College offers five undergraduate engineering and technology programs: CSE, ECE, IT, CSBS, AIML, and five PhD programs. All programs are AICTE-approved and affiliated to Anna University, are accredited by the NBA, and the institution is accredited by NAAC. The College has been conferred Autonomous Status by UGC, New Delhi, for a period of 10 years.



ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering (ECE) has been a department of technical brilliance since its inception in 2001, committed to providing inclusive and industry-aligned technology education. Accredited by NBA (2023-24 to 2025-2026) with an annual intake of 180 students, the department is equipped with state-of-the-art labs, industry collaborations, digital resources, and modern infrastructure to nurture innovators and future leaders in communication engineering.



OBJECTIVES

- ✓ To understand CPS architecture and AI integration in embedded systems.
- ✓ To explore Edge AI and TinyML for resource-constrained devices.
- ✓ To gain knowledge in sensor fusion, real-time analytics, and IoT communication protocols.
- ✓ To examine AI applications in industrial, healthcare, and smart systems.
- ✓ To address security, energy efficiency, and reliability in embedded AI.
- ✓ To introduce advanced AI techniques including reinforcement learning.
- ✓ To enhance skills in testing, validation, and debugging.
- ✓ To promote research and funding opportunities in CPS and AI.



IMPORTANT DATES

Last Date to Apply	: 06.05.2026
Intimation of Selection	: 07.05.2026
FDP Date	: 11.05.2026 to 16.05.2026



HOW TO APPLY?

The applicants shall register using the link given below on or before **6th May 2026**. If selected, they should confirm their participation on time. Seats are limited. So, approval will be given on a first-come, first-served basis.

REGISTRATION FEE

FREE

REGISTRATION LINK

<https://forms.gle/rsCsQJof5sZN2sY6>

TARGET AUDIENCE



Faculty Members
from Academic
Institutions

RESOURCE PERSONS



Experts from IITs, NITs,
Anna University, reputed
institutions and industries.



CHIEF PATRONS

- Shri.Dr.R.S. Munirathinam, Founder & Chairman
- Smt.Manjula Munirathinam, Chairperson



PATRONS

- Shri. R. Jothi Naidu, Director
- Shri. R.M. Kishore, Vice Chairman
- Shri. Yalamanchi Pradeep, Secretary
- Dr. Durgadevi Pradeep, Vice-Chairperson
- Smt. Sowmya Kishore, Management Trustee



ADVISORY COMMITTEE

- Shri.Dr. M.S. Palanichamy, Advisor (Former Vice-Chancellor in Tamilnadu Open University, Chennai)
- Shri. T. Pitchandi, IAS (Retd.), Advisor
- Shri. V. Manoharan, Advisor
- Dr.N.Anbuechzhian, Principal
- Dr.K.K.Thyagarajan, Dean-Research
- Dr.D.Rukmani Devi, Academic Co-ordinator



CONVENER

Dr.N.Anbuechzhian,
Principal



CO-CONVENER

Dr.K. HelenPrabha,
Professor & Head, ECE



COORDINATOR

Dr. M. Shakunthala,
Asst. Prof / ECE



JOINT COORDINATOR

Ms.S. Gayathri Priya,
Asst. Prof / ECE

CONTACT

Dr.M. Shakunthala,
Coordinator,
ISTE-BNY FDP Program,
Assistant Professor,
Department of ECE,
R.M.D. Engineering College,
R.S.M Nagar, Kavaraipeetai,
Tamil Nadu – 601 206.

Phone: 044 – 67919191
Mobile: 9894012654

Email: iste@rmd.ac.in

Website: www.rmd.ac.in

★ E-Certificate will be provided to all the participants ★