

Malaviya Mission Teacher Training Center

Jointly with

Department of Electrical & Electronics Engineering

Coimbatore Institute of Technology, Coimbatore – 641014, Tamil Nadu

A HANDS-ON SHORT TERM PROGRAMME

Automotive Electronics & Software-Defined Vehicles



● OFFLINE · HANDS-ON TRAINING

✓ FREE REGISTRATION

A hands-on Short Term Programme bridging traditional embedded electronics with modern SDV architectures — organized in association with ANCIT Edutech, Knowledge Partner of the Automotive Skills Development Council (ASDC).

DURATION

Sept 07 – 12, 2026

TIMING

9:30 AM – 5:30 PM

VENUE

MMTTC, CIT, Coimbatore

1 Programme Theme & Objectives

PROGRAMME THEME

- ◆ Bridging traditional embedded electronics with modern SDV architectures
- ◆ Standardizing automotive software using AUTOSAR & MBD frameworks
- ◆ Integrating AI and Advanced Driver Assistance Systems for intelligent mobility
- ◆ Hands-on development using MATLAB/Simulink, Python and automotive CI/CD testbeds

LEARNING OBJECTIVES

- ◆ Interpret SDV architecture
- ◆ Apply AUTOSAR concepts
- ◆ Implement Model-Based Design (MBD)
- ◆ Integrate ADAS & AI
- ◆ Adopt CI/CD & DevOps practices
- ◆ Enhance curriculum & research capability

2 Concepts & Hands-On Work

CONCEPTS COVERED

- ◆ Evolution of automotive electronics & modern vehicle architecture
- ◆ Embedded software development
- ◆ Automotive communication & AUTOSAR Classic
- ◆ Model-Based Development (MBD)
- ◆ ADAS & Software-Defined Vehicles
- ◆ Future mobility & SDV ecosystem

SUGGESTED HANDS-ON PROJECTS

All hands-on sessions use ANCIT CodeGenX, NXP S32K144, TS Master, and MATLAB/Simulink. Advanced SDV demos run on the NXP S32G274A HPC Gold Box.

RESOURCE PERSONS

Dr. Kaarthick Balakrishnan

Director – Research & Development, ANCIT Edutech

Ms. Kavitha Sasikumar

Senior Embedded Trainer, ANCIT Edutech

Experts from Academia & Industry

3 How to Apply



Scan to
Register

Interested participants are requested to register on or before 03 / 09 / 2026, through the UGC Portal URL, or the Google Form / QR code.

GOOGLE FORM · REGISTRATION

<https://forms.gle/2tm3aNcbHCbHGD9s5>

WEBSITE (Download Sample NOC & Registration Screenshot)

<https://cit.edu.in/others/mmttc>

MMTTC WEBSITE

<https://mmc.ugc.ac.in>

NO REGISTRATION FEE

4 Guidelines & Eligibility

GUIDELINES

- ◆ Upload a permission letter signed by the Head of Institution
- ◆ Limited to 50 participants
- ◆ Boarding, tea & working lunch will be provided
- ◆ Accommodation on prior request
- ◆ Travel will be borne by participants
- ◆ Submit MCQ-based assessment
- ◆ Certificate on successful completion

ELIGIBILITY

- ◆ Faculty members from Central Universities, State Universities, Deemed-to-be Universities, Private Universities, Institutions of National Importance, Colleges, and other Higher Educational Institutions (HEIs)
- ◆ Research Scholars and Research Associates pursuing Ph.D. or post-doctoral research in HEIs

Apply before 03 Sept 2026

5 Institute & Programme Leadership

INSTITUTE ADMINISTRATION

Mr. R. Santossh

Managing Trustee / Chairman & Correspondent, CIT

Dr. A. Rajeswari

Principal, CIT

Contact Details

Dr. V. Manikandan,

Programme Director, MMTTC
Coimbatore Institute of Technology
mmttc2024@cit.edu.in

DEPARTMENT OF EEE

Dr. E. Chandira Sekaran

Professor & Head

COURSE COORDINATORS

Dr. S. Elango (AP)

Ms. A. Priyadharshini (AP)

Dr. R. Rajalakshmi (AP)

Dr. Y. Hamsavarthini (AP)

WHATSAPP FOR QUERIES

98420 10548 | 98429 50253

mmttc2026cit@gmail.com

In association with:



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MMTTC, CIT, Coimbatore