

## About the Seminar

Today, auto electronic systems and engine computers do everything from regulating fuel to diagnosing problems. Most of cars have between 30 and 80 separate electronic controllers. Some of these devices have an obvious effect on safety. Adaptive cruise control, which slows the vehicle down if another car is detected in front of it, In-car computers give drivers a way to control multiple devices from inside the car. For instance, the BMW I Drive includes a knob and screen that control much of the car's audio, navigation and HVAC systems. A sensor might measure the angle of the car to keep it in the right gear while accelerating. Or, sensors might sense slipping wheels in bad weather, signaling the car to turn on electronic stability control.

## Objective

- To expose the candidate in the important area of industrial relevance through academic and industrial experts.
- To provide various knowledge on automotive electronics in Engine management system.
- To learn comprehensive idea of various industrial best exposure in the field and make them adapt in their academic curriculum as case studies.
- To know master control system and safety system functioning in the auto electronics.
- To emphasis the pedagogy of learning with exposure to the electronics in automotive advancements.

## Topics to be delivered

- Introduction to Automotive Electronics
- Engine Management System
- Sensors and Actuators
- Emission Control Systems
- Electrification
- Safety System
- Autonomous Driving
- Connected Cars

## Resource Person

Er.N.Sivaramasubramanian,  
Senior Project Manager,  
Robert Bosch Engineering and Business  
Solution Ltd, Bangalore

## Eligibility

The course is open to the Engineering faculties belonging to EEE, ECE, EIE, CSE, IT and MECH departments of AICTE recognized Institutions. Admission will be offered subject to the availability based on the AICTE guidelines.

## Accommodation

Accommodation will be provided to the outstation participants on request.

## Registration

Students: Rs. 150/-  
Faculty: Rs. 250/-

## Organizing Committee

### Honorable Patron

Shri R. Kandasamy,  
Chairman, METRF

### Chief Patron

Dr. K. Gunasekaran,  
Secretary & Managing Trustee, METRF

### Patron

Dr. M. Madheswaran, Principal

### Convener

Dr. B.Gopi, Professor & Dean, Electronic Sciences

### Co-Convener

Dr. U. Saravanakumar, Professor & Head, ECE

### Coordinator

Mr.K.Sakthimurugan, Assistant Professor, ECE

## REGISTRATION FORM

### ONE DAY NATIONAL LEVEL

### SEMINAR

### ON

## “ROLE OF ELECTRONICS IN AUTOMOTIVE ADVANCEMENTS”

05.10.2019

Name Dr./Mr./Ms.: .....

Qualification: .....

Designation/Dept.: .....

Teaching Experience: .....

Address: .....

.....

.....

.....

PIN Code: .....

Mobile No: .....

E-mail: .....

Do you want accommodation? YES / NO

Signature of Applicant

## Declaration by the Candidate

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration.

Place :

Date : Signature of the Applicant

## Sponsorship

Mr./Ms./Dr. : ..... is an employee of our Institution and is hereby sponsored. He/she will be permitted to attend the programme, if selected. He/She will abide by the rules and regulations of the host Institute.

Date: Seal Signature of the Sponsoring Authority

The duly filled application forms should be sent to,

Mr.K.Sakthimurugan,  
Coordinator – Seminar,  
Asst.Professor, Department of ECE,  
Muthayammal Engineering College,  
Rasipuram - 637408.  
Email:- sakthimurugan.k.ece@mec.edu.in  
Mobile No:- +91 9443 262796

## IMPORTANT DATES

Last date of registration: 30.09.2019  
Date of intimation : 01.10.2019  
Confirmation : 03.10.2019

The selected candidate will be intimated through email. If required, photocopy of the registration form could be taken for multiple uses.

## ABOUT THE COLLEGE

Muthayammal Engineering College, established in the year 2000 and committed to uplift the rural community educationally in a stimulating learning environment. It is a co-educational self financing institution approved by AICTE, New Delhi and affiliated to Anna University. It offers 10 U.G. Programmes and 6 P.G. Programmes to cater to the needs of over 3000 students from various parts of our country and abroad. The college has got NBA accreditation for 4 UG programmes. It is accredited by the IT giants such as Tata Consultancy Solutions, WIPRO and Cognizant Technology Solutions.

It stands ahead as one of the elite group of Technical Institutions in Tamilnadu, for its:

- ✓ Innovative practices in Teaching-Learning
- ✓ Consistent Academic Result
- ✓ The Best Infrastructure-well-equipped Classrooms & Laboratories, fully Networked Computing, Resourceful Library etc.
- ✓ Industry focused Training & Placement activities
- ✓ Skills development thro' various Knowledge-Sharing Platforms
- ✓ Continuous evaluation of teachers & students' performance and corrective measures
- ✓ On-campus availability of Value Added Courses – EMC<sup>2</sup> , CISCO, ORACLE, JAVA, RED HAT, BEC, C, C++, and
- ✓ Special Coaching for TOFEL, GRE, CAT, GATE

## ABOUT THE DEPARTMENT

The Department of ECE has 36 highly qualified and experienced faculty members with various specializations. The Department has well equipped laboratories such as Electronic Devices and Circuits Lab, Communication Systems Lab and Digital Signal Processing Lab. The department is also awarded the center of excellence for Research and Advanced studies by Anna University, Chennai.

## ONE DAY NATIONAL LEVEL

### SEMINAR

ON

## “ROLE OF ELECTRONICS IN AUTOMOTIVE ADVANCEMENTS”

05.10.2019

Organized by



Department of Electronics and Communication Engineering  
**Muthayammal Engineering College**

(Autonomous College)

Rasipuram - 637 408

Namakkal District, Tamil Nadu.

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In association with

**Institution of Electronics and Telecommunication  
Engineers**

