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## Advisory Committee

**Shri. Dr. M. S. Palanichamy** - Advisor

**Shri. T. Pichandi I.A.S** - Advisor

**Shri. V. Manoharan** - Advisor

**Shri. Dr. K. A. Mohamed Junaid** - Principal

**Shri. Dr. K. Chandrasekaran** - Dean

**Shri. Dr. Elwin Chandra Monie** - Dean (Research)

**Smt. Dr. S. Pavai Madheswari** - Academic Coordinator

## Coordinator

**Dr. T. Suresh M.E., Ph.D.**  
Professor & Head

Department Of Electronics & Communication Engineering

## Resource Persons

The sessions will be handled by experts from academia, research organizations and industry in the subject area.

**Dr. Hrishikesh Venkataraman**

Associate Professor, IIT,

Sri City and Research Group on Smart Transportation

**Shri. Ganeshskandha**

Senior Engineer, Microchip Technology Inc,  
Chennai

**Dr. K. Swaminathan**

Head (FPGA & BioEngineering),

Jiva Science Pvt. Ltd., Bangalore

**Smt. S. Sivaranjani**

Senior Executive,

TVS Training & Services Ltd., Chennai

**Dr. S. Janarthanam**

Senior Manager,

Capgemini India, Bangalore.

**Mr. Karthikeyan Singaram**

Asst. Manager,

Enthu Technology Solutions India Pvt. Ltd., Coimbatore

**Mr. G. Gowthamraj**

Senior Technical Engineer

Enthu Technology Solutions India Pvt. Ltd.,  
Coimbatore.

**Mr. C. V. Renjith**

Product Engineer,

Philips India Ltd., Pune.



# R.M.K.

## ENGINEERING COLLEGE



RSM Nagar, Kavaraipettai, Gummidipoondi Taluk,  
Tiruvallur District - 601206

(Affiliated to Anna University, Chennai / Approved by  
AICTE, New Delhi/ Accredited by NAAC with A+ Grade /  
All the UG programs are accredited by NBA, New Delhi)  
Website: [www.rmkec.ac.in](http://www.rmkec.ac.in)



**SIX DAYS ONLINE SHORT TERM TRAINING PROGRAMME**  
On

**High Performance Intelligent Real Time  
Embedded System Design and  
Internet of Things to accelerate automation  
system into autonomous system**

**The participants have option to  
choose any one of the following 3 slots**

**Slot 1: 20 JULY 2020 TO 25 JULY 2020**

**Slot 2: 03 AUGUST 2020 TO 08 AUGUST 2020**

**Slot 3: 17 AUGUST 2020 TO 24 AUGUST 2020**

**Sponsored by  
AICTE, NEW DELHI under AQIS**

**Organized by  
Department Of  
Electronics & Communication Engineering**



## ABOUT THE INSTITUTION

R.M.K. Engineering College started in the year 1995, has been achieving Academic Excellence for the past 24years. Our Institution has always been in top 10 positions among all the Engineering colleges affiliated to Anna University and also has maintained excellent placement record. In 2008, the College was conferred Bharatiya Vidya Bhavan National Award for its Overall Performance followed by the “Best Principal” Award in the year 2012, by the Indian Society for Technical Education (ISTE) New Delhi. Our College is accredited by NAAC with A+ Grade for 5 years and NAAC has approved our Institution to mentor 10 institutions for NAAC accreditation. All the 7 UG programmes are accredited by NBA. Our Institution is ranked 155<sup>th</sup> in the NIRF ranking under the Engineering institutes category in the year 2020 and was ranked 6<sup>th</sup> across the country in SWACHHTA 2017 ranking by MHRD, Govt. of India. The College has been rated four-star rating under Institution Innovation Council (IIC) MIC, MHRD, Govt. of India. In the AICTE – CII survey our Institution has been awarded, the Best Industry linked Technical institute for Electronics Engineering & Allied (Degree) in the year 2015, Computer and IT Engineering & Allied (Degree) in the year 2018 and Mechanical Engineering & Allied (Degree) in the year 2019.

## ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering started in the year 1995, is accredited by the National Board of Accreditation (NBA). It has B.E course with intake of 180 and M.E programs in Applied Electronics. The Department has adequate infrastructure with spacious class rooms, Conference halls and well equipped laboratories with modernized equipments and advanced designing tools. The members of the Faculty are well qualified having rich academic experience and wide Industrial and R&D exposure. The Department is a recognized research Centre of Anna University, Chennai. The selected students of the department are part of the CoEs in Telecom, Embedded Systems, IoT, Robotic Process automation, AI and Big Data Analytics and are trained in these areas.

## OBJECTIVE OF THE PROGRAM

The main objective of this STTP is,

- Bringing together researchers and developers from academia and industry to advance the technologies of embedded real-time system and applications.
- To train the faculties in all aspects of real-time intelligence systems design, analysis, IoT implementation and evaluation so that they can mould the students into Real Time Engineers which the society needs.
- To investigate System Level Design for Real Time embedded systems, focusing on the co-design approach and its design activities.
- To learn RTOS modeling for System Level Design, and API for an ideal generic RTOS model.
- To understand machine learning algorithms to embed in Real time Embedded Systems.
- To provide Hands on training on Real time operating systems such as LynxOS.

## CONTENTS OF THE PROGRAM

STTP will cover

- ☒ Challenges in designing embedded systems and motivation for system level design
- ☒ RTOS Modeling and Fault Tolerant System.
- ☒ Provide hands on training on Software components – RTOS, Android, Java, Embedded Linux
- ☒ Internet of Things and Machine Learning.
- ☒ Highlight the innovations of embedded system in medical sector, automobile industry, Smart Transportation , Smart Cities and Ocean Electronics

## ELIGIBILITY FOR PARTICIPATION

This course is open to Faculty Members and Research Scholars of AICTE approved Engineering Colleges, Polytechnic Colleges, Engineers from R&D organizations and Industries.



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## REGISTRATION DETAILS

Registration Fee : Nil

Registration Link :

Click Here: <https://forms.gle/8dhdHArvR7fXawJ88>

Last date for Registration : 17.07.2020

Intimation of selection by email : 18.07.2020

## CERTIFICATION OF PARTICIPATION

E-Certificate of Participation will be issued to all active participants.

## ADDRESS FOR COMMUNICATION

**Dr. T. Suresh M.E., Ph.D**

Professor & Head

Department of Electronics & Communication Engineering

**R.M.K. Engineering College**

**R.S.M Nagar Kavarapecttai, Gommidiipoondi Taluk,**

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