

## About the College

Dr. Mahalingam College of Engineering and Technology (MCET) was established in the year 1998 by Dr.M.Manickam with a view to commemorate the 75th Birthday of his beloved father Arutchelvar Dr.N.MAHALINGAM with a mission to impart high quality competency based education in Engineering & Technology to the younger generation to acquire the required skills and abilities to face the challenging needs of the industry around the globe. MCET is a self-financing, co- educational Autonomous Engineering College and it is approved by All India Council for Technical Education (AICTE), New Delhi & affiliated to Anna University, Chennai.

The Institution has been accredited by NAAC with A++ and 7 UG programmes (CSE, EEE, EIE, ECE, CIVIL, Mechanical, Automobile) are accredited with Tier I by National Board of Accreditation (NBA). MCET currently offers 9 UG 6 PG and 5 doctoral programmes in Engineering, Technology and Science.



## Chief Patron:

Dr. M. Manickam,  
Chairman, MCET

## Patron:

Shri. M. Hari Hara Sudhan,  
Correspondent, MCET

## Deputy Patron:

Dr. C. Ramaswamy,  
Secretary, NIA Educational Institutions

## Programme Chairman:

Dr. A. Rathinavelu  
Principal, MCET

## Course Coordinator:

Dr. K.Vijayakumar  
Head of the Department - EIE

## Course Co-Coordinators:

Ms. M. Deeparani, AP(SS)  
Dr. S. Anthony Jesudurai, AP(SS)

## Important Dates

Last Date for Registration : **18.08.2020**

Notification of Selection : **20.08.2020**



## AICTE Sponsored One Week Online

## Short Term Training Programme on "Internet of Things for Healthcare" 24<sup>th</sup> - 29<sup>th</sup> August 2020



## Organized by

Department of Electronics and  
Instrumentation Engineering

Dr. MAHALINGAM COLLEGE OF ENGINEERING  
AND TECHNOLOGY

(An Autonomous Institution)

(Accredited by NBA, NAAC with 'A++' Grade)

Pollachi-642003 Coimbatore (Dt), Tamilnadu

Phone: +91-4259-236030/40/50

Website: www.mcet.in

## About the Department

The Department of Electronics and Instrumentation Engineering was established in the year 2011 with an annual intake of 60 students and was accredited by NBA. This course provides students with sound theoretical knowledge & practical training in the operation and design of electronic instruments, digital logic systems, microprocessor and microcontroller system design, etc. The department has two Centres of Excellence namely Bosch Rexroth Industrial Automation Centre of Excellence and Mitsubishi Factory Automation Centre of Excellence.

To meet the industrial requirements of future, students are given theoretical and practical knowledge on industrial instrumentation, process control systems design, PLCs, DCS, industrial drives and controls and embedded systems.

## About the Programme

The Internet of Things (IoT) is described as a network of physical devices that uses connectivity to enable the exchange of data. In Today's scenario, the IoTs play a vital role in all the fields such as Agriculture, Building Automation, Factory Automation, Medical (healthcare), and Military and so on. Companies that specialize in healthcare or technology tend to heavily invest in IoT. IoT-enabled medical devices provide critical data that assist health practitioners perform their jobs.

IoT in healthcare facilitates mundane albeit important tasks to improve patient outcomes, and also takes some of the burden off health practitioners. The advanced

sensors can be embedded into the body of the patients to continuously monitor the patient's health. The information thus collected can be analyzed, aggregated and mined to do the early prediction of diseases. The processing algorithms assist the physicians for the personalization of treatment and it helps to make the health care economical, at the same time, with improved outcomes. The STTP is an attempt to fill this need through theory and hands on practice on IoT.

## Topics to be Covered:

- Introduction to IoT
- WSN for sensing devices
- Introduction to Smart sensors used for Biological systems
- Wired and wireless communication protocols used for data processing
- Cloud computing platform ,Artificial intelligence and IOT
- Diagnostic Applications, Recent trends other In - Hospital area, Sports, Physiotherapy
- Hands on (Demonstration) with IoT controllers
- Critical issues and challenges of IOT in healthcare
- Case studies by health care industries

## Resource Persons:

Resource persons from Reputed Industries and Academic Institutions will deliver the sessions.

## Registration & Participation:

Since the programme is sponsored by AICTE there is no registration fee. Faculty members and Research Scholars from AICTE recognized institutions can participate in the programme

## Registration Link



<https://forms.office.com/Pages/ResponsePage.aspx?id=CM6ITXfigEWz0HxztefjuveJnnf3PX9JkMCn5R9p19RUQ1BXUUpJVVFVNUc5U0w3RIJVTzU4R0U4Qy4u>

Online session details will be communicated to selected participants through registered email.

***E-Certificates will be provided***

## Address for Communication

**Dr. K.Vijayakumar**

**Associate Professor and Head,**

Department of Electronics and Instrumentation Engineering,

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