

### ORGANIZING COMMITTEE

Chief Patron : Smt.S.Malarvizhi  
Chairperson & Managing Trustee  
Patron : Dr.K.Sundararaman,  
Chief Executive Officer  
Chairman : Dr.J.Janet  
Principal  
Co – chairman: Dr.P.Ashoka Varthanan  
Head of the Department, Mech  
Conveners : Prof.C.Samson Jerold Samuel  
Prof.R.Arunkumar  
Coordinators : Prof.R.B.Manoram  
Prof.Ramachandran

### OCUS GROUP

Academicians from Engineering Colleges, Universities, Research Institutions, Professionals from Industries in the Mechanical and related fields will find this program efficacious.

### BOARDING AND LODGING

Boarding and lodging will be provided to the selected candidates in the college campus on **payment basis**.

### REGISTRATION DETAILS

**Registration Fee: Rs.1000/- per participant**

This fee includes course material, registration kit, refreshments, working lunch and certificate.

Registration for the course can be made by sending the duly filled registration form along with a DD for Rs.1000/- in favour of "The Principal, Sri Krishna College of Engineering and Technology" payable at Kuniamuthur.

### HOW TO APPLY

The applicants should send their applications in the specified format through their Principal / Sponsor to reach us **on or before 13.05.2017**. If selected, they should confirm their participation in time.

## Faculty Development Program on Internet of Things for Mechanical Engineers

[IoT – 2017]  
23<sup>rd</sup> & 24<sup>th</sup> May, 2017

### APPLICATION FORM

Name : \_\_\_\_\_

Age : \_\_\_\_\_

Designation : \_\_\_\_\_

Organization : \_\_\_\_\_

Address for communication : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contact No : \_\_\_\_\_

E-mail : \_\_\_\_\_

Qualification : \_\_\_\_\_

Experience : \_\_\_\_\_

Accommodation:  Yes  No

DD Amount : \_\_\_\_\_

DD No./Date : \_\_\_\_\_

Bank Name : \_\_\_\_\_

Branch : \_\_\_\_\_

**Signature of the Applicant**

## Faculty Development Program on Internet of Things for Mechanical Engineers

[IoT – 2017]  
23<sup>rd</sup> & 24<sup>th</sup> May, 2017



Organized by

**Department of  
Mechanical Engineering**

**Sri Krishna College of  
Engineering and Technology**  
(An Autonomous Institution)  
Kuniamuthur, Coimbatore – 641 008  
Tamilnadu.

Tel : 0422-2678001-7 Lines

Website : [www.skcet.ac.in](http://www.skcet.ac.in)

E-mail : [iif@skcet.ac.in](mailto:iif@skcet.ac.in)

### ABOUT THE COLLEGE

Sri Krishna College of Engineering and Technology, approved by AICTE and affiliated to Anna University, was established in the year 1998 for providing quality technical education to the young minds of the state. In all, the College offers seven UG and nine P.G. programmes in Engineering, Computer Applications and Management. It has full-fledged infrastructure furnished in all aspects with a world-class library as the highlight. The college is accredited by NAAC with 'A' grade and accredited by the National Board of Accreditation. Also, the College was granted Autonomy from the year 2011.

### ABOUT THE DEPARTMENT

The Mechanical Engineering Department was established in the year 1998. The Department offers 4 year B.E Degree course in Mechanical Engineering and 2 year Master Degree programme in CAD/CAM and Engineering Design. **Due to Infrastructure, Facilities and Faculty, the Department has secured Anna University Permanent Affiliation in the year 2005 – 2006.** Dedicated and Experienced faculty, **9 of them with Ph.D degrees and 31 others with M.E/ M.Tech degrees**, drawn from industries and reputed academic institutions form the backbone of the department. The department has 21 Laboratories created with futuristic vision. The state of art CAD/CAM Lab, Fluid Mechanics and Machinery Lab, Thermal Lab and Dynamics Lab are examples. The Department is also as recognized research centre for offering Ph.D. programmes under Anna University. The students of Department of Mechanical Engineering are well molded for the industrial environment by making industrial visits mandatory and by encouraging them to undergo industrial training and do industry projects. Their creativity is also kindled by encouraging them to participate in inter-college competitions, mini project exhibitions, etc. The department also organizes several training program, workshops, seminars, etc for staff and students every year.

### ABOUT THE LOCATION

The college is situated at Kuniyamuthur on the National highway to Palakkad about 6 Kilometers from Coimbatore. It is well connected by road, rail and airway.

### INTRODUCTION

Internet of Things (IoT) has spread into most of the businesses in the modern world. It has become an integral and inevitable part of our daily lives. This technique will improve public safety, intelligent tracking in transportation, industrial wireless automation, Machine to Machine communication and personal health monitoring in healthcare with better information and faster communications. Improving efficiencies, enabling innovation and fueling transformation are the cornerstones of the digital business. This faculty development program will induce lateral dimensions in various research avenues in Industries, Automotive Applications and concern to Environment.

### COURSE CONTENTS

1. **Introduction to Internet of Things**
2. **Technologies of IoT** - Sensors, Communication Technologies, RFID, Bluetooth, Zigbee, Wifi, Rflinks, Mobile Internet, Arduino boards.
3. **Value Creation for Industry** - Oil and Gas Industry.
4. **IoT for Automotive:** Vehicle Utility control, Navigation, Tracking and Self driving cars, Smart parking, connected cars, Next generation cars, intelligent transport system, Monitoring Driving Habits using smart phones, e-Call system, Electric Toll collection.
5. **Applications of IoT** - Smart Energy, Smart Factory , Smart Objects, Environment- Weather Monitoring system, Air Pollution Monitoring , Forest Fire Detection, Smart Irrigation.

### RESOURCE PERSON

#### **Shri.M.Murali**

Distinguished Technologist, Techpreneur  
Innovator

(Graduated from IITM, 20 years of Experience, Council Member in Harvard Business Review, Consultant to CTS, Swift, Toyota, UNISYS and IBM)

### SCHEDULED DATES

Last date for receipt of Application : 13.05.2017  
Intimation of selection : 15.05.2017

### DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the faculty development program. If selected, I shall attend the program for the entire duration. I also under take the responsibility to inform the coordinator in case I am unable to attend the course.

Place :

Date :

Signature of the applicant

### SPONSORSHIP CERTIFICATE

Mr/Ms/Dr \_\_\_\_\_  
\_\_\_\_\_ is an employee of our Institute / Organization and is here by sponsored by us. He/She will be permitted to attend this Faculty Development Program on "**Internet of Things for Mechanical Engineers**", if selected.

Office Seal

Signature of the  
Sponsoring authority

Place:

Date:

Application form completed in all respects is to be sent to:

**The Conveners,**  
**Internet of Things for Mechanical Engineers**  
**[IoT – 2017]**

Department of Mechanical Engineering,  
Sri Krishna College of Engineering & Technology  
Kuniyamuthur, Coimbatore - 641 008, Tamilnadu.  
Mobile : 7402601338, 7402601357, 7402601329.  
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