

### About the Workshop:

IoT (Internet of Things) is not a new form of internet, rather it is a network of devices or products that are connected and controlled by internet to automate simple tasks. This forthcoming technology is a sign of technological advancement which makes the world a better place to live. This provide a bridge to connect to such a wonderful technology and help one to explore the world of IoT.

This Workshop's aim is to impart knowledge in the field of Internet of Things through which one will get a better understanding on basic architecture of IoT. During the tenure of this course one will get to know about the various phases in building an IoT application development. This workshop will lay a strong foundation for IoT Career.

### Workshop Contents:

- ✓ Introduction to Embedded systems
- ✓ Introduction to IoT and its architecture.
- ✓ Creating a local cloud server
- ✓ Building a database.
- ✓ Connecting and making CRUD operation in the Server.
- ✓ Accessing the database remotely.
- ✓ Developing an IoT Client.
- ✓ Creating an IoT Server.
- ✓ Combining server and client into a single system.
- ✓ Building a UI to develop visualize the data
- ✓ ***Hands on training will be provided for all sessions***

### Eligibility:

Faculty members from academic institutions  
UG/PG Engineering college students,Engineers from industry

### Course Fee

For UG & PG Students : Rs. 1250/-  
For academicians : Rs. 2000/-  
Engineers from Industry : Rs. 3000/-  
(Inclusive of all taxes)

The course fee includes cost towards course material, working lunch and refreshments. As limited number of seats is available, selection of candidates will be on first come first served basis. Laptop is essential for the workshop.

### Registration details

Registration for workshop can be made by sending the duly filled application form along with a Demand Draft drawn in favor of "PSG CNCE" payable at Coimbatore on or before **27.02.2018**.

### Resource Persons:

Muthu Vangaliappan T, Associate Engineer ,  
Robert Bosch Engineering and Business Solutions

Mohan Barathi, Associate Engineer ,  
Robert Bosch Engineering and Business Solutions

Mugesh S, Head of operations  
Katomaran Technology and Business Solutions

**The details of this workshop are available in the website [www.psgtech.edu](http://www.psgtech.edu).**

**DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING  
DEPARTMENT OF ROBOTICS AND AUTOMATION  
ENGINEERING**

**PSG COLLEGE OF TECHNOLOGY,  
COIMBATORE-641004**

**National Level Hands on Workshop on  
RESEARCH ISSUES AND CHALLENGES IN  
IoT APPLICATIONS  
MARCH 2-4 ,2018  
Application Form**

Name (in Block Letters):.....  
Date of birth & Age :.....  
Qualification :.....  
Experience (if any) :.....  
Designation & Dept. :.....  
Organization : .....

Address for :.....  
Communication :.....  
Office No. :..... Mob No. :.....  
Email Id :.....  
Amount in Rs. :.....  
Demand Draft No. & Bank : .....

Accommodation required \*: Yes / No

### 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 candidate

\*Accommodation on nominal rate (300 Rs/day) can be arranged on prior request based on the availability of rooms.

### About the College

PSG College of Technology, started in the year 1951, is an autonomous college for the past 39 years, offering totally 21 programmes in undergraduate, and 43 postgraduate and research programmes, leading to MS/Ph.D degrees. PSG College of Technology, an AICTE approved institution is affiliated to Anna University, and is ISO 9001 certified. The College has developed into a Centre for Advanced Studies and Research in several areas of Engineering and Technology. The centres of excellence include PSG-Siemens Centre for Excellence in Automation, Rockwell Centre for Industrial Automation, Heidenhain Centre for CNC Systems, Lapp Centre for Excellence in Cable Technology, L&T Centre for Low Voltage Switchgear, Festo Automation Centre, Eplan Centre for ECAD, National Instruments Centre for Virtual Instrumentation, Adept Centre for Robotics, Centre for Advanced CNC & Robotics, PSG-Danfoss Centre of Excellence for Climate and Energy etc.

### ORGANISING COMMITTEE CHAIRMAN

Dr. R. Rudramoorthy  
Principal, PSG College of Technology

### CONVENOR

Dr.M.C.Bhuvaneswari, Head,Dept.of EEE  
Dr. B. Vinod, Head, Dept. of RAE

### CO-ORDINATORS

Dr.S.Sumathi, Dept. of EEE  
Mr. C. S. Sundar Ganesh, Dept. of RAE

**The duly filled application form be sent to:**

**Ms.K.Vidhya**  
**Department of RAE**  
**K Block, Second floor**

PSG College of Technology  
Peelamedu, Coimbatore -641004  
Contact No:8973509825,9994759330  
ssi.eee@psgtech.ac.in,css.rae@psgtech.ac.in

### About the EEE department

The Department of Electrical and Electronics Engineering (EEE) has been playing a vital role in producing scientists and technologists of highest caliber ever since it was established in the year 1951. The department offers UG (Regular and Sandwich) programmes, PG programmes (Applied Electronics, Power Electronics & Drives, and Embedded & Real-Time Systems), and PhD programmes. The department has Centres of Excellence namely, PSG-DANFOSS Centre of Excellence in Climate and Energy, PSG-LAPP Centre for Excellence in Cable Technology, PSG-L&T Centre for Excellence in LV Switchgear, Audio-Processing Centre and PSG-PROSUN Centre for Excellence in Solar PV systems, PSG Centre of Excellence in Welding and PSG TI Centre of Excellence in IoT.

### About the RAE Department

The Department of Robotics and Automation Engineering has been established in order to meet the growing demand for trained manpower in the field of Robotics and Industrial Automation. Automation Engineering is a cross-sectional discipline that requires knowledge in hardware, software, and their applications. This very unique programme is tailored to prepare superior quality Automation Engineers for Manufacturing, Defense, Food, Aerospace, Medical, and Service Sectors. The department draws teaching talent from industry and professional practice, apart from competent and committed faculty members to enhance the quality of the programme. The Faculty is actively involved in research and development projects, consultancy services.

## PSG COLLEGE OF TECHNOLOGY COIMBATORE

### National Level Hands on Workshop on RESEARCH ISSUES AND CHALLENGES IN IoT APPLICATIONS



**MARCH 2-4, 2018**

**Organised by**



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ELECTRONICS ENGINEERING  
DEPARTMENT OF ROBOTICS AND AUTOMATION  
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PEELAMEDU, COIMBATORE - 641004**