

PSG COLLEGE OF TECHNOLOGY

PSG College of Technology, an institution of academic excellence, was founded in the year 1951 by PSG & Sons' Charities Trust. The institution is equipped with latest facilities and excellent infrastructure. The college has signed MoUs with research organizations and industries to promote closer interaction in the areas of technology development, student training, curriculum updation and establishment of state-of-art-centers of excellence. The mission of the institution is to provide world-class engineering education, foster research and development, evolve innovative applications of technology, encourage entrepreneurship and ultimately mould young men and women capable of assuming leadership of the society for the betterment of the country.

ABOUT THE DEPARTMENT

The Department of Biomedical Engineering was established in the year 2006 with a vision to in depth knowledge in the area of Electronics and Biomedical Engineering as well as professional skills necessary to face the challenges of the future and enable to find innovative applications of Technology for reaching the goal of Health for all in our Country. The department endeavors to educate students to acquire technical expertise and knowledge in the field of Biomedical Engineering to enable them to communicate and use that knowledge constructively for the benefit of the society.

ABOUT THE WORKSHOP

Internet of Things (IoT) is becoming ubiquitous with edge sensor nodes getting more and more intelligent and capable to transmit their information directly to a cloud and also get controlled./actuated from the cloud. The pervasive nature of hooking anything to the Internet which was not thought previously opens up a new era of imagination and deployment for a connected world with endless possibilities. The hands-on workshop covers the architecture of TI CC3200 which is a wireless microcontroller and the first in the industry to evolve to a single microcontroller programmable to wireless (Wi-Fi standard) connectivity. The workshop is structured and tailored to meet the needs of the engineering students to get a very good exposure of Internet enabled systems and their applications. Typical applications could be battery powered sensor signal acquisition, processing and connectivity to the Cloud.

KEY TAKEAWAYS:

A very good understanding of Internet of Things (IoT) and its exploding applications in health care.

DrishTI Online Contest will be conducted and the best performers will be awarded MSP430 Kit.

COURSE FEE (Inclusive of Service Tax)

UG/PG Students/ Research Scholars : Rs. 1500/-
Faculty from academic institution : Rs. 1750/-
The course fee includes refreshments and lunch.

No TA/ DA/ ACCOMMODATION will be provided.

PSG COLLEGE OF TECHNOLOGY

COIMBATORE-641 004

REGISTRATION FORM

Three days National level workshop on

IoT FOR HEALTH CARE

28-30 June, 2018

Name: _____

Designation: _____

Department: _____

Name of the Institution: _____

Address: _____

Email: _____

Mobile: _____

Details of Registration

Amount: _____

DD No. & Date: _____

Bank: _____

Date: _____

Signature _____

TOPICS

The workshop will focus on the following areas:

- Overview of IoT and its Applications
- HTTP WEB SERVER
- Embedded System using Energia IDE
- WEB Server – Wi-Fi
- Cloud Application – IBM Cloud
- Cloud Application – Eclipse.org
- Cloud Application – Temboo
- Cloud Application – Yahoo Server
- Cloud Application – Google Server
- Cloud Application – Nexmo Server
- Cloud Application – Thingspeak cloud
- Exercises on cloud application using Thing speak cloud server and connecting CC3200 to monitor the data on the dash board.
- Mini Projects

RESOURCE PERSONS

- STEPS knowledge services Pvt Ltd
Coimbatore

ELIGIBILITY

Faculty members and Research scholars, UG/PG students who wish to improve their research horizons in the field of IoT for health care can attend this workshop.

REGISTRATION DETAILS

A maximum of 30 participants are permissible on first come first serve basis. The participants shall pay the Registration Fee through a **Demand Draft** drawn in favor of **“PSG CNCE”**, payable at Coimbatore on or before 22.06.2018. The applicants shall send the filled up registration form and the demand draft to the following address

Dr. B.Padmapriya

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PSG College of Technology
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Mobile: 9443883109

CHAIRMAN

Dr. R. Rudramoorthy

Principal, PSG College of Technology

CONVENOR

Dr. R. Vidhyapriya

Professor & Head
Department of Biomedical Engineering, PSGCT

COORDINATORS

Dr. B. Padmapriya/Mr. E. Balaji

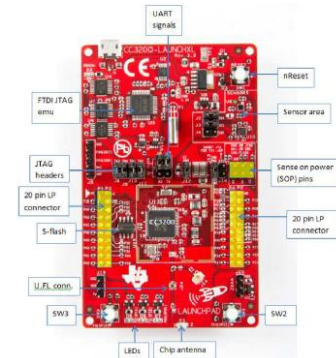
Associate Professor/Assistant Professor
Department of Biomedical Engineering, PSGCT

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COIMBATORE- 641004

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Organized by



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PSG-TI Centre of Excellence for Medical Electronics
PSG College of Technology
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