



TEQIP - III Sponsored International Conference on Instrumentation and Control Engineering

(ICECON-2019) 19th - 21st December 2019

PRE-CONFERENCE WORKSHOP ON

EDGE TO CLOUD WITH IOT

19th December 2019



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 ease of hooking anything to the Internet which was not feasible previously opens up a new era of disruptive applications and deployment for a connected world. IoT rollouts are moving from trials to deployments. IoT offers tangible business benefits, such as operational efficiency and workforce productivity. Clearly IoT is coming of age and moving ahead of all the hype to becoming the foundation of digital business over which AI and DL build upon.

STEPS hands-on session covers the architecture, peripherals of TI CC3200 which is a 32 bit wireless microcontroller. The workshop is structured and tailored to meet the need of the engineers in getting 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.

COURSE CONTENTS

WHO MAY BENEFIT FROM THE COURSE?

The key topics of the course are:

- * Overview of IOT, Applications and Challenges
- * WiFi Connectivity - AccessPoint and Station Modes
- * Working with Webpages
- * MQTT protocols
- * Connectivity with Cloud Services

Faculty & Students from any branch of Engineering or Science, Researchers, and Industrial Practitioners can attend and benefit from this course. Familiarity with college level mathematics is desirable.

ABOUT THE SPEAKER



N. Kavitha is the Technical Director of STEPS Knowledge Services Pvt Ltd, India which is a Design Services company and partners to TI University Programme. Currently handles Design and Development of SPM, Embedded Systems, IP related activities and also involved in Training to Corporate and Academia on emerging technologies. An engineer with more than 20 years of industrial experience with a MS in Software Systems from BITS, Pilani, MBA (Finance), PG Dip. in IPR from NLSIU, Bengaluru and DOM from IGNOU. Speaker in various International and National conferences on topics related to Embedded Systems. Has worked extensively with Design Houses, Consultants, OEMs, Collaborators in Germany, Italy, France, Switzerland, UK, USA, Japan and Malaysia. Co-inventor in various patent applications relating to specific industrial engineering applications.

VENUE

INSTRUCTIONS

NIT, Trichy.

All participants must bring their laptops with MS-Windows 10; these are required for all the hands-on sessions.

Registration Fee		Before 05.12.19	After 05.12.19
Pre Conference Workshop	Faculty / Industry / R&D Organization	Rs. 3000	Rs. 4000
	Research Scholar / Student	Rs. 2000	Rs. 3000

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