Registration Form

TEQIP-III
Recent Trends in Internet of Things: Design, Architecture, and Security
April 27-28, 2018

1. Name   …………………………….………...
2. Designation ………………………………….
3. Organization ………………………………….
4. Sex   ……………………………….........
5. Address   …………………………………….
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6. Phone …………………………….………...
7. Email ……………………………………….…
8. Educational Qualification. …………………………

Date   ………………………
Place   ………………………
Signature ………………. …....

Recommendation and Forwarding from Organization
Signature with Seal from
Head of the Organization
Please send a scan copy of the same to
bunil@nitm.ac.in, akhilendra.singh@nitm.ac.in

How to Reach

Address: National Institute of Technology Meghalaya, Bijni Complex, Laitumkhrah, Shillong - 793003, Meghalaya, India.

How to Reach Shillong by Air: To reach Shillong by Air one will have to take a flight to Gopinath Bordoloi Airport, Guwahati, Assam. From there one can reach Shillong in three hours in a hired Taxi (Rs.2000/- per car, approx.) /Shared Taxi (Rs. 500/- per passenger, approx.).

How to Reach Shillong by Rail: The nearest railway station is Guwahati Railway Station. From there, one can travel by bus or shared taxi (Rs. 150/- to Rs. 300/- per passenger) to Shillong. It takes about three hours to reach Shillong.

Reaching the Campus

TEQIP-III Sponsored Workshop On
Recent Trends in Internet of Things: Design, Architecture, and Security

April 27-28, 2018

Organized by

Department of Computer Science and Engineering
National Institute of Technology Meghalaya

Web: www.2018.nitmeghalaya.in

Overview

The Internet of Things is an emerging topic of technical, social, and economic significance. Consumer products, durable goods, cars and trucks, industrial and utility components, sensors, and other everyday objects are being combined with Internet connectivity and powerful data analytic capabilities that promise to transform the way users work, live, and play. Projections for the impact of IoT on the Internet and economy are impressive. As IoT is promising to give the intelligent and reliable solutions for society and industrial applications, with the growth of IoT applications, various research challenges are also growing. Various researchers and industries are developing the IoT based products to manage the day to day requirements. In the view of present and future scenarios, IoT provides the platform where researchers, academicians and developers can increase the growth of smart and intelligent systems.

Objective

The workshop covers the introductory and advanced developments of IoT. The participants would explore the real time research challenges and solutions in IoT. The workshop covers the:

- o Fundamental challenges of day to day life in the absence of IoT.
- o IoT based architectural designs and developments for real time environment.
- o Recent and future developments in IoT and applications.
- o Discussion with wide range of application of IoT and its impact on society to build smart and intelligent systems.
- o IOT based poster presentation to explore the real time solutions for existing problems.

- o Identify research opportunities in IoT technology, applications and services, focusing on the Indian context.
- o Form a research and development community with cross disciplinary collaboration, including business, communication, nanoelectronics, microsystems, information systems, and software, with a focus on challenges in IoT issues.

Outcome

At the end of this course, attendees shall demonstrate the ability to:

- o Understand what IoT technologies are used for today, and what is required in certain scenarios.
- o Understand the types of technologies that are available and in use today and can be utilized to implement IoT solutions.
- o Characterize the Internet of Things (IoT) and enumerate its distinctive characteristics.
- o Identify the possible research opportunities in IoT enabled applications.
- o Develop cross disciplinary collaborations with other eminent researchers in the same area.

Target Audience

Faculty members, Researchers from R&D organizations, under graduate & Post graduate students and Research scholars from various Institutes.

Registration Fee

Students - Rs. 200.00 (Non CSI Members)
　　　　 - Rs. 100 (CSI Members)

Faculty & Industry Personnel – Rs. 500.00

About Department

The Department of Computer Science & Engineering, NIT Meghalaya offers B. Tech. degree in Computer Science and Engineering discipline. This U.G Programme in Computer Science and Engineering is perhaps the most popular Programme in NIT Meghalaya. The department also started its M.Tech. program from 2014. There is also a PhD programme under which research scholars are admitted twice a year. The department has adequate facilities to support these teaching activities. It has a well-qualified and experienced faculty team. The Computer Science and Engineering department makes all efforts in imparting high quality education to its highly motivated students. One of the aims of this department to play its role of producing Computer Engineers ready to satisfy the needs of the Computer and IT world. The Department is also actively involved in various Research activities. The major areas of faculty expertise of the department include Wireless Sensor Networks, Software Engineering, Natural Language Processing, Machine Learning and Artificial Intelligence, Hyper-spectral Image Analysis Robotics, Computer Vision and Digital Heritage. The department is having various laboratories such as High Performance Computing, Wireless Sensor Networks, Software Engineering, Cloud Computing, Network Security, and Embedded Systems Laboratory.

Speakers

- Dr. Rajkumar Buyya, Professor, Computing and Information system, The University of Melbourne Doug McDonell Building, Parkville Campus, Melbourne, VIC 3010, Australia
- Shri. Santanu Chatterjee,Scientist, DRDO Hyderabad

- Shri Sanjay Mohapatra,CSI President, CSI Bhubaneswar
- Shri Manas Pattnaik,Chairman, Anthem group companies
- Shri Krishna Praharaj, Director and founder MD Magika Smartech FZC

Organizers

Patron

Prof. B. B. Biswal, Director, NIT Meghalaya

Coordinators

Dr. Akhilendra Pratap Singh
Dr. Alok Chakrabarty
Dr. Bunil Kumar Balabantaray

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Dr. R. Ray
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Mr. D. Kumar
Mrs. S.Thokchom
Mr. M. Pal
Dr. S.Moulik
Dr. V. Pal
Dr. Yogita

Important Dates
Last date for receiving filled registration form: April 22, 2018.

Contact Information

Email: bunil@nitm.ac.in, akhilendra.singh@nitm.ac.in

Mobile: Dr. A.P.Singh -9485177042, Dr. B. K. Balabantaray -9485185916

Events

- Interactive Sessions
- Poster Presentation
- Coding Competition
- Quiz

Accommodation

For accommodation, participants have to mail in advance since limited shared accommodation will be provided on payment basis.