ATAL Sponsored
Five Days Workshop
On
"Internet of Things"
(IoT)

REGISTRATION FORM

1. Name: .....

2. ☐ Student ☐ Research Scholar ☐ Faculty

3. Department: .....

4. Address for Communication:

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5. Mobile No: .....

6. Mail ID: .....

7. Is accommodation required? ☐ Yes ☐ No

Payment Details:

Name of the Bank :
Amount :
Demand Draft Number :
Date :

Signature & Seal
(Head of Institution)

Note: Last date for registration is Feb'29th, 2020.

Registration Fee:

Participants are requested to register by filling in the accompanying slip and sending the same to the organizing secretary. The registration fee is as follows.

For Students & Research Scholars : FREE
For Faculties : FREE

Demand Draft should be drawn in favor of "**The Director, IRG NIT Nagaland**" from any nationalized bank payable at **Nagaland** and should be sent to the organizing secretary.

Maximum number of participants: 50
(First come first serve basis)

Important Dates:

Last date for receipt of application : 29.02.2020
Intimation of selection : 29.02.2020
Workshop Dates : 02.03.2020 to 06.03.2020

Online Registration:

https://docs.google.com/forms/d/e/1FAIpQLSdvIRw2Zjybd6iz6T78CDmwaQmwYy_geRbyc8WaBIEDGNgNoA/viewform

Participation is open to:

- ✓ Students (Any discipline)
- ✓ Faculties
- ✓ Research Scholars

ATAL

Five Days Workshop

On

"Internet of Things"
(IoT)

02ND – 06TH March, 2020

Organized by
Department of Electronics & Instrumentation Engineering

NATIONAL INSTITUTE OF TECHNOLOGY
Chumukedima, Dimapur,
Nagaland - 797103
www.nitnagaland.ac.in

About the Institution:

National Institute of Technology Nagaland is one among the ten newly approved NITs by the Government of India in 2009 under the 11th Five Year Plan. Ever since it started functioning from the academic year 2010, the institute has been dedicated to the cause of quality education in the field of Engineering & Technology in Nagaland. Our Vision is to advance knowledge through quality education and research, to cultivate invention improving the human condition and to educate students for a life of professional achievement, service to society and individual fulfillment – moving our world towards a more sustainable path. NIT Nagaland offers Under Graduate studies in 6 disciplines, Post Graduate in 4 disciplines and Doctoral Programmes in all disciplines. All departments have well equipped laboratories in addition to the common facilities of workshops, central library, state-of-art central computing facility, sports facilities.

About the Department:

The Department of Electronics and Instrumentation Engineering of NIT Nagaland is uniquely structured, and obliged to educate the world leaders of tomorrow. The department is well equipped with laboratories and has excellent teaching staffs to nurture the innovative minds. Our vision is to lay the ground work in shaping the future technical framework in the field of Electronics and Instrumentation Engineering and serve the nation by providing excellent technical education and conducting high quality fundamental and applied research.

Organizing Committee:

Chief Patron
Dr.S.Venugopal
Director

Dr. Dushmanta Kumar Das /Asst.Prof
HoD /EIE
Convener

Coordinators
Dr. R.Kumar, Professor & Dean (Academic) / EIE
Dr. Dipu Sarkar / Asst.Prof / EEE
Dr. M. Prakash / Asst.Prof / EEE
Dr. Madhusudan Singh/Asst. Prof/ ECE

Resource Persons:

Persons from various institutions like NITs, PU and core sector etc.., will impart their expertise with hands on training.

Address for Communication:

The Organizing Secretary,
Department of Electronics &Instrumentation Engineering,
National Institute of Technology Nagaland,
Chumukedima, Dimapur,
Nagaland – 797 103.

Email: rajagopal.kumar@nitnagaland.ac.in
Mobile: +919840778590

Course Outline:

Internet of Things (**IoT**) is a platform that allows a network of devices (sensors, smart meters, etc.), vehicles, software, etc. to communicate, analyze data and process information collaboratively in the service of individuals or organizations. This workshop is intended to provide a clear understanding of IoT and its applications in home automation systems, healthcare, industrial automation, etc. Participants will be exposed to interconnection of physical devices by building Wi-Fi and Bluetooth modules and their interfacing with Arduino. In-depth description of Raspberry Pi and its interfacing with different sensors and Arduino shall be an integral part of the technical sessions. An interlinked introduction of cloud computing and its importance in secure transfer of data in IoT platform will also be covered.

Programme:

The workshop altogether will provide an engaging platform to attendees for learning and exploring different applications of IoT with suitable hands on experimentation.

Topics of Interest:

- Overview of IoT
- IoT in Smart Grid
- Application of WSN in IoT
- Application of Machine Learning in IoT
- Application Artificial Intelligence in IoT
- IoT Security