

**2 Weeks Faculty Development  
Programme on**

**“Internet of Things  
and  
Sensor Networks”**

**From**

**3<sup>rd</sup> -16<sup>th</sup> January, 2020  
Organized by**

**Computer Science and Engineering  
Department,  
Tripura Institute of Technology**

**Speakers**

Speakers from IIT, IEST, IIIT, Reputed  
Technical Institutions like BIT, Reputed  
Universities, Research Labs and Startups etc.

**Registration Details**

Seats are limited. Hence, early registration  
will be solicited.

Please fill up the registration form  
attached (Page-3) and send the scan copy  
to [shimalcs.tit@gmail.com](mailto:shimalcs.tit@gmail.com) on or before  
**27.12.2019.**

**Selected Participants will be notified by  
email.**

**Organizing Committee**

- Prof. Sekhar Datta, Principal  
and Chairman
- Dr. Jhunu Debbarma, H.O.D,  
CSE Department and Convener
- Sri. Gourab Bhattacharjee, Asst.  
Prof., CSE Dept and Jt. Convener
- Sri. Rupanjal Debbarma, Asst. Prof.,  
ECE Dept and Jt. Convener
- Sri. Ankur Biswas, Asst. Prof., CSE  
Department
- Smt. Sudeshna Das, Asst. Prof., CSE  
Department
- Sri. Pankaj Debbarma, Asst. Prof.,  
CSE Department
- Sri. Shibsankar Nath, Asst. Prof.,  
CSE Department
- Sri. Tamar Das, Asst. Prof., CSE  
Department
- Smt. Amrita Saha Asst. Prof., CSE  
Department
- Smt. Purabi Debbarma, Sr.  
Programmer, CSE Department

**Coordinators:**

- Dr. Shimal Das, Assistant  
Prof., CSE Department
- Sri Sanjoy Mitra, Asst. Prof,  
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**Faculty Development  
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**on**

**“ Internet of Things  
and  
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**For Faculties of Technical  
Institutions/ Universities  
Organized by**



**Department of Computer  
Science and Engineering**

**Tripura Institute of Technology,  
Narsingarh,  
Tripura-799009**

**Sponsored by  
Technical Education Quality  
Improvement Programme (TEQIP),  
Phase III, Government of India**

### FDP Objective

The growth of the Internet of Things (IoT) is explosive and unsustainable under various applications such as Smart cities, agriculture, health care, industries, etc. IoT is a technology that has deliberately grown momentum and is now silently shaping the future. IoTs provide improved process efficiency, proper utilization of assets, and productivity with low-cost. IoT provides deep functionality and broad, connecting the edge nodes to the cloud, so we can build better solutions in various fields using IoT. Wireless sensor network (WSN) is the backbone to the IoTs. Since IoT integrates with machine learning algorithms for the WSNs data, we can make Things or objects smarter, even with/without Internet connectivity. Broadly, the course contents are as follows:

- Introduction to WSNs vs IoTs and its applications
- IoT Hardware & Standards
- IoT Communication/Application Protocols
- IoT with Fog & Cloud
- Machine learning for IoT/WSNs
- Demonstration on IoT Project
- Hands-on sessions on IoT
- State-of-art research in IoTs and WSNs
- Other start-of-art topics on IoT

### Registration Fee

No registration fee is required to attend the faculty development programme (FDP).

### How to Reach us

There are daily flights from Kolkata, Guwahati and from several metropolitan cities. Taxi/Auto is available from Airport to TIT Narsingarh, distance around 1.5 Km. Tripura is also well connected by road and train. The bus stand and Agartala railway station are 10 km and 16 km away.

### About the Department

The Department of **Computer Science and Engineering** started its degree programme from 2007 and got NBA Accreditation in the year 2019. The Department currently offers B. Tech degree in Computer Science and Engineering. The Department has several well equipped laboratories for the regular course as well for research.

### Course Outcomes

- Understand the usability of the IoTs across various real-world applications
- Understand and design different application and communication protocols for IoTs/WSNs
- Demonstrate and Hands-on various IoT applications
- Demonstrate integration of IoTs/WSNs with cloud platform and perform data analytics
- Design solutions for several applications using IoTs by integrating machine learning

### Venue

**Seminar Room, Computer Science and Engineering Department, (2<sup>nd</sup> floor of CSE Building) TIT Agartala.**

### About the Institution

The human resource development process that has been harnessing in the state for decades is now in a state of total maturity encompassing the whole spectra of socio-economic development. The resultant effects caused optimizing the resource centers of manpower development which eventually fathomed through the exultation of upgrading Polytechnic Institute, Narsingarh into a degree institute with a new nomenclature "**Tripura Institute of Technology**" from **1st June, 2007**, wherein both degree and diploma education are being imparted hand in hand. Tripura Institute of Technology is located in a beautiful landscape of natural antiquity adjacent to Agartala Aerodrome about 13 km away from the capital city. The Institute is having more than 100 acres of land area under Ananganagar and Narsingarh Gaon Panchayats. The Institute is linked up with good motorable roads with available conveyance from Agartala. The Institute campus has direct road and air linkages with the rest of the country.

**Registration Form**

**Faculty Development Program on  
“Internet of Things and Sensor Networks”**

**(3<sup>rd</sup> January to 16<sup>th</sup> January, 2020)**

1. Name (in block letters):
2. Designation:
3. Institution/Organization:
4. Address:

5. Contact No.:

6. E-mail Id:

7. Specialization/Field:

8. Experience (in yrs.):

9. Sex:

Kindly register me for the participation in Faculty Development Program on “Internet of Things and Sensor Networks” during 3<sup>rd</sup> -16<sup>th</sup> January 2020, to be at the premises of Tripura Institute of Technology Narsingarh, Agartala, Tripura, India.

Place:

Date:

Signature of the applicant

Signature of the Head of the Institute