

About IIT GUWAHATI

Indian Institute of Technology Guwahati, the sixth member of the IIT fraternity, was established in 1994. The academic programme of IIT Guwahati commenced in 1995. At present the Institute has eleven departments and five inter-disciplinary academic centres covering all the major engineering, science and humanities disciplines, offering BTech, BDes, MA, MDes, MTech, MSc and PhD programmes. Within a short period of time, IIT Guwahati has been able to build up world class infrastructure for carrying out advanced research and has been equipped with state-of-the-art scientific and engineering instruments. Indian Institute of Technology Guwahati's campus is on a sprawling 285 hectares plot of land on the north bank of the river Brahmaputra around 20 kms. from the heart of the city. With the majestic Brahmaputra on one side, and with hills and vast open spaces on others, the campus provides an ideal setting for learning.

HOW TO REACH IIT GUWAHATI

The Institute is located on the outskirts of the city of Guwahati and can be reached conveniently. It is around 20 km from the heart of the city and around 35 min. drive from the airport. To reach the IIT Guwahati campus from the air-port. Airport Prepaid taxis are available from the airport to the IITG campus. From Guwahati Railway Station IIT Guwahati also has its own transportation facilities to ply to and fro from IIT Guwahati campus to the city which start from Hotel President, Near Institution of Engineers Building, Lakhtakia, Panbazar, Guwahati city. Hotel President is less than 1 km. away from Guwahati Railway Station.

PATRON

Prof. T. G. Sitharam
Director, IIT Guwahati

COORDINATORS

Prof. Ratnajit Bhattacharjee
Prof. Shivashankar B. Nair
Dr. Manas Khatua
Prof. Sunil Khijwania

ADDRESS FOR CORRESPONDENCE

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Sponsored by:

**All India Council of Technical Education
New Delhi**

Indian Institute of Technology Guwahati

announces

Five Day AICTE Sponsored Workshop

on

Internet of Things & Cyber Security

August 19-23, 2019



Organized by:

शैक्षिक प्रौद्योगिकी केंद्र
Centre for Educational Technology
Indian Institute of Technology
Guwahati-781039

COURSE CONTENTS

- **IoT:** Overview of IoT, Wireless Communication Technologies in IoT, Introduction to Smart Sensors and Actuators - the “Things” in IoT, IoT Access Technologies – 6LoWPAN, ZigBee, LoRaWAN, IoT Protocols: RPL, CoAP, MQTT, Bio-inspired agent based IoT/CPS, Programming agents in IoTs (Demos and Hands-on), IoT application development using ESP8266 and Cloud Infrastructure, Security in IoT.

The workshop will be a proper mix of lecture, demo and hands-on

- **Cyber Security:** Basics of Cyber Security with application.

WHO SHOULD ATTEND

Faculty member working in AICTE approved Institutions/Colleges are eligible for the workshop.

RESOURCE PERSONS

The course content will be delivered by a pool of experts drawn from Department of Computer Science and Engineering, Department of Electronics and Electrical Engineering and Department of Mechanical Engineering, Indian Institute of Technology Guwahati.

SELECTION PROCESS

A limited number of seats (50) will be there on first-cum-first-serve basis and selected candidates will be intimated through email only.

No fees will be charged from participants for workshop.

GENERAL INFORMATION

Accommodation and travelling expences are to be borne by the participants/sponsoring agency. Limited accommodation on actual charges may be available at IIT Guwahati Hostels. A request for this need is to be made in advance. The participant will not be paid any TA/DA. The organizers will provide working lunch.

REGISTRATION

Registration is open to Faculty from all branches of Engineering Participants will be admitted on first-come-first-served basis. Register on line at-

<https://docs.google.com/forms/d/e/1FAIpQLSf5owTD2h44Kep4hgo1sxZfGtwleQUuUWRRF7T5prMhwjLhoA/viewform?vc=0&c=0&w=1>

or

To confirm participation please send the scanned copy of the Filled Registration Form to cet@iitg.ac.in or submit in person to coordinators latest by 16th August 2019 positively.

Registration Form

Five Day AICTE Sponsored Workshop

on

**Internet of Things & Cyber Security
(August 19-23, 2019)**

Name:.....

(In block letters)

Designation:.....

Organization:.....

Academic Qualification:.....

Specialization:.....

Mailing Address:.....

.....

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Mobile No:.....

E-mail:.....

Date:.....

Signature of Applicant

Signature of Sponsoring Authority with seal