



### About NIT Kurukshetra

National Institute of Technology (formerly known as Regional Engineering College, Kurukshetra in 1963) was conferred upon the status of Institution of National Importance (Deemed University) on June 26, 2002. The Institute has B.Tech., M.Tech, MBA and MCA courses in various disciplines with annual intake of about 1500 students. Institute also offers excellent facilities for advanced research in the emerging areas of Science and Technology leading to Ph.D. degree. The institute has well-qualified and dedicated faculty along with splendid supporting staff, laboratories and other infrastructure. The infrastructure is geared to enable the institute to produce technical personnel of high quality.

### About the Department

The department started offering B.Tech. Programme in Computer Engineering in 1987 and B.Tech programme in Information Technology (IT) in 2006. The department also offers two M.Tech. programs, one in Computer Engineering and other in Cyber Security. Department started Ph.D. program in 2002.

So far 56 Ph.Ds have been awarded and 31 Ph.Ds are in progress. Faculty of the department have specialized areas for advanced studies and research in Distributed Computing, Software Engineering, Computer Networks, Database and Data Mining, Natural Language Processing, Information and Cyber Security, Image Processing, etc.

The department is well equipped with state-of-the art laboratories of all major domains of Computer Engineering and Information Technology with excellent Intranet, servers, hardware and software support.

#### Chief Patron

Prof. B V Ramana Reddy, Director  
National Institute of Technology, kurukshetra

#### Patron

Prof. Brahmjit Singh, Dean (P&D)  
National Institute of Technology, kurukshetra

#### Co Patron

Prof. A.K.Singh, HOD,  
Dept. of Computer Engineering

#### Course Coordinator(s)

Prof. Mayank Dave  
Dr. Priyanka Ahlawat

#### Important Dates:

Last date of Registration: June 19, 2023

Notification about Selection: June 10, 2023

#### Registration form should reach:

Address: Coordinator, STC, ETCIUS-2023  
Department of Computer Engineering  
National Institute of Technology  
Kurukshetra- 136119

Soft copy via email: [etcius23@gmail.com](mailto:etcius23@gmail.com)

For query, please contact:

9896408121, 9034996998



### Short Term Course (Blended Mode)

on

**Emerging Technologies in Cloud,  
IoT, UAV and Satellite Networks  
(ETCIUS-2023)**

**(June19-June23, 2023)**



**Department of Computer Engineering  
National Institute of Technology  
Kurukshetra-136119, Haryana, India**

## Course Objectives

In recent years we have witnessed the spectacular success of cloud computing & IoT because it has been revolutionizing how we live, learn, work, do business, and entertain ourselves. Cloud and IoT play a very important role in cyber-physical system and critical infrastructure. Further, futuristic applications based on technologies such as UAV and Space Terrestrial Integrated Network (STIN) require cloud computing and IoT network-based services and also carry very sensitive data, there are several issues like authentication and privacy-preserving algorithm, distributed denial of service attacks, authentication, confidentiality and integrity of data that need to be addressed. The STC aims to provide recent advances and novel contributions from both academia and industry in satellite networks, IoT & Cyber security. It aims to provide worldwide researchers and practitioners an ideal platform to innovate new solutions targeting at the corresponding key challenges

## Course Contents

- Protocol architectures for cloud, IoT & STIN.
- Cloud models for Big Data Storage & Processing.
- Futuristic STIN and Industrial IoT Applications.
- Cloud resources for supporting Big Data Analytics.
- Intrusion Detection Systems (IDS) in cloud IoT and STIN
- Localization, Authentication, and Key Management
- Machine learning techniques for Cloud, IoTs & STIN

## Resource Person

Distinguished and Learned persons from institutes of repute including IITs, NITs and experts from related industries will be the resource persons for short term course.

## Who should attend

This course will benefit young Scientists, Engineers with the notion of research, and various tools for thinking with creativity and innovation that are critical in undertaking research in the field of Cloud, IoT, and Satellite Networks.

S. No.	Participants Category	Course Fee (Rs.)
1.	Research Scholars/Students	800
2.	Faculty members/Industry/R&D organisation	1500

Lodging and boarding for participants can be arranged in hostel/guest house. No TA/ DA will be paid to the participants. Participants will be selected on first-come-first served basis.

## How to apply online

Click <https://bit.ly/3VZpdwb>

## Instructions for registration fee

1. Goto SBI Collect or click on <https://www.onlinesbi.sbi/sbicollect>
2. Select Educational Institution
3. Select Haryana
4. Select Director National Institute of Technology, Kurukshetra
5. Select ETCIUS-2023
6. Make the payment and collect the receipt

## REGISTRATION FORM

### Short Term Course(Blended Mode) On Emerging Technologies in Cloud, IoT, UAV and Satellite Networks (ETCIUS-2023) June 19-23, 2023

Name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Address for correspondence: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Qualifications: \_\_\_\_\_

Experience: \_\_\_\_\_ Years

Accommodation required\*: Yes / No

(Signature of applicant)

Signature of Head of Department/School/Institute