

## About NIT Uttarakhand

National Institute of Technology, Uttarakhand is amongst the new emerging NITs, located in the hilly terrain of Srinagar Garhwal on the bank of Alaknanda River. NIT Uttarakhand was established in 2009 under the Act of Parliament of India by the Ministry of Human Resource Development and designated with the status of “Institute of National Importance”. The temporary campus of NIT Uttarakhand is functional from two campuses i.e. Polytechnic and ITI. The Institute has made a rapid growth in the recent past in terms of starting new academic programs, revision of academic curriculum, development of laboratories and infrastructure.

Recently NIT-UK has started its operations from a Stellite campus at MNIT Jaipur for the B.Tech. Students and will continue to be in Jaipur for next three years. NIT Uttarakhand is one among ten most recently announced NITs and had earned repute to its credit. With continuous thrust on establishing a vibrant and research conducive environment, NIT Uttarakhand once again grabs an opportunity and announce STC on: Artificial Intelligence Applications in Internet of Things.

## About the Department

The Department of Computer Science and Engineering started in 2009. The Department offers a four-year B. Tech. program, M. Tech. program in Artificial Intelligence and Computing System. The Department also offers Ph.D. program in Computer Science and Engineering. The Department has flexible academic structure with numerous core and elective courses to facilitate the students to opt for the courses of their interest.

## PATRONS

**Prof. Shyam Lal Soni**  
Director, NIT Uttarakhand

## CONVENER

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## Advisory Committee

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Dr. H. Muthusamy

Dr. Dhramendra Tripathi  
Dr. Vinod Singh Yadav

## Department of Computer Science and Engineering

NIT, Uttarakhand Satellite Campus  
MNIT Jaipur 302017

## TEQIP - III SPONSORED SHORT TERM TRAINING PROGRAM

## ON ARTIFICIAL INTELLIGENCE APPLICATIONS IN INTERNET OF THINGS



**September 23<sup>rd</sup> – 27<sup>th</sup>, 2019**

**Organized by**

**Department of Computer Science and  
Engineering  
NATIONAL INSTITUTE OF TECHNOLOGY,  
UTTARAKHAND**

**Venue: NIT Uttarakhand, Satellite Campus  
MNIT Jaipur**



## About the STC

The theme of the STC is “**Artificial Intelligence Applications in Internet of Things**”. The STC will be organized by the Department of Computer Science and Engineering, NIT Uttarakhand Satellite Campus in MNIT Jaipur. The STC shall be conducted under TEQIP-III.

## Theme of the STC

The STTP on “Artificial Intelligence and Its Applications” focuses on applications of Artificial Intelligence on the following areas:

- Introduction to IoT & sensors
- IoT Applications and Challenges
- Requirements of IoT
- Protocol stack, wireless sensor network and IoT
- Controlling of I/O using Google assistant
- Home automation and python programming for IOT based smart applications
- Introduction to Machine Learning (ML).
- Introduction of IoT and Application in Smart City.
- Recent Research Trends in Field of VLSI & Embedded Technologies.
- Statistical pattern recognition techniques-SVM, KNN, Naïve Bayes classifier etc.
- Dimensionality reduction techniques-PCA, LDA etc.
- Deep learning.
- Applications of ML and Optimization in data mining and pattern recognition.
- Hands-on training on applications of ML algorithms/EDA Tools.

**Prospective Participants**  
This STTP is open for participants from academia, research laboratories and Industry.

**Register on or Before 22<sup>nd</sup> September, 2019**

### Registration Fee Details:

Participation	Fee (INR)
Research Scholar / Students	1500/-
Educational / Research Institutes / Organizations	1500/-
Participation from Industry	1500/-

Note: No fee for students / scholars from TEQIP-funded Institute.

## REGISTRATION FORM TEQIP - III SPONSORED SHORT TERM COURSE ON

## ARTIFICIAL INTELLIGENCE APPLICATIONS IN INTERNET OF THINGS

September 23<sup>rd</sup> – 27<sup>th</sup>, 2019

1. Full Name.....
2. Designation.....
3. Organization.....
4. Academic Qualification.....
5. Age.....
6. Mailing Address.....  
.....
7. Email.....
8. Phone/ Mobile.....

Date.....

Place.....

Signature of applicant

Signature of HoD / Institute Head with seal