

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.

About SLIET Longowal

Sant Longowal Institute of Engineering & Technology (SLIET), Deemed to be University, has been established and funded by MHRD, Government of India in 1991 to provide technical education in emerging areas of Engineering and Technology. The study programmes include various courses at certificate, diploma, undergraduate (B.E.) & postgraduate (M.Tech.) degrees and Ph.D. levels in various branches of engineering and technology.

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.

PATRON

Prof. Shyam Lal Soni
Director, NIT Uttarakhand

CONVENER

Prof. R. B. Patel

COORDINATORS

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TEQIP - III SPONSORED SHORT TERM TRAINING PROGRAM ON ARTIFICIAL INTELLIGENCE AND SUSTAINABLE APPLICATIONS



October 22-26, 2018

Organized by

**Department of Computer Science and Engineering
NATIONAL INSTITUTE OF TECHNOLOGY,
UTTARAKHAND
&
SANT LONGOWAL INSTITUTE OF ENGINEERING
AND TECHNOLOGY**

Venue: NIT Uttarakhand, Srinagar (Garhwal)



About the STTP

The theme of the STTP is “**Artificial Intelligence and Sustainable Applications**”. The STTP will be organized by the Department of Computer Science and Engineering, NIT Uarakhand at Srinagar (Garhwal). The STTP shall be conducted under TEQIP-III Twinning Arrangement with Sant Longowal Institute of Engineering and Technology (SLIET), Longowal.

Detailed Aspects of the STTP

The artificial intelligence (AI) is a growing field and is rapidly becoming a mainstream technology that helps to transform and empower us in unexpected ways. The emergence of smart AI programming like fuzzy logic, artificial neural network and evolutionary and nature inspired algorithms) and robotics allows AI technologies to push past repetitive tasks and to take on increasingly adaptive and intelligent applications.

This will strongly affect the highly developed industrial sector in India and as a result, various investors are investing enormously into research on AI applications. Healthcare is another field that is at the cusp of a revolution. With the power of AI and a variety of data sources from genomics, electronic medical records, medical literature, and population data, scientists are now able to predict health emergencies, diagnose better, and optimize care. There’s no field that will be left untouched by the transformational power of AI including energy conservation, problem solving and sustainable solutions with affordable cost.

Theme of the STTP

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

- Electronic power converters and inverters
- Fuzzy logic and soft computing
- Artificial Neural Network and its applications
- Evolutionary computational algorithms
- Intelligent Control
- Wireless Sensors
- Cloud Computing
- Applications in IoT
- Future of artificial intelligence in Engineering

Prospective Participants

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

Registration Fee – NIL

Register On or Before 15 Oct 2018

Note: The participants shall be provided free fooding and lodging (outside participants only) on all five days during the STTP. **Shortlisted participants shall be intimated by email.**

How to reach NIT UK?

The Institute is located at Srinagar Garhwal (Distt. Pauri Garhwal), which is 105 km from Rishikesh on National Highway No. 58 leading to Badrinath (193km from Srinagar). Haridwar, a major Railway Station is 130km from Srinagar. The nearest airport is Jolly Grant, Dehradun which is 125 km away from Srinagar. Taxi is available for Srinagar from Airport. Bus and Taxi are available for Srinagar from Rishikesh/ Haridwar and it takes 3 to 5 hours.

REGISTRATION FORM TEQIP - III SPONSORED SHORT TERM TRAINING PROGRAM ON

ARTIFICIAL INTELLIGENCE AND SUSTAINABLE APPLICATIONS

(In collaboration with Sant Longowal Institute of Engineering and Technology, Longowal)

October 22-26, 2018

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

Date.....

Place:.....

Signature of applicant

Signature of HoD/Institute
with seal