

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 programs 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.

PATRONS

Prof. Shyam Lal Soni
Director, NIT Uttarakhand

AND

Prof. Shailendra Jain
Director, SLIET

CHAIRPERSONS

Prof. R. B. Patel

AND

Prof. Sanjay Marwaha

CO-ORDINATORS

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Department of Computer Science and Engineering

NIT, Uttarakhand Srinagar (Garhwal),
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TEQIP - III SPONSORED SHORT TERM TRAINING PROGRAM ON ARTIFICIAL INTELLIGENCE AND SUSTAINABLE APPLICATIONS



March 18th – 22nd, 2019

Organized by

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

&

**Electrical and Instrumentation
Engineering
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 Uttarakhand 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 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. Health care 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 emerging, diagnose better, and optimize care. There’s no field that will be left untouched by the transformation 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.

Register on or Before 28th February 2019

Registration Fee Details:

Participation	Fee (INR)
Research Scholar / Students	500/-
Educational / Research Institutes / Organizations	1000/-
Participation from Industry	1500/-

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)

March 18th – 22nd, 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