

## About the Institute

National Institute of Technical Teachers Training and Research, Chandigarh, an ISO 9001-2008 certified institute, is one of the four national institutes established by the Government of India in 1967 for the growth and development of technical education in the country. It is now reckoned as a resource institute for the technical education system providing services to its clientele covering faculty/staff of technical institutions, officials of directorates/boards of technical education, central and state govt. departments, industry, students from technical institutes, community and trainees from overseas. The institute undertakes the following spectrum of activities: Education and Training Programmes, Curriculum Development, Instructional Material Development, Research and Development, Extension Services, Consultancy in Technical Education and Technology areas. The institute offers ME Programmes affiliated to Panjab University, Chandigarh in five disciplines. Three ME Programmes, viz., ME in Computer Science & Engineering, ME in Electrical Engineering and ME in Electronics & Communication Engineering are accredited by National Board of Accreditation (NBA), New Delhi. The institute has been recognized as a 'Research Centre' by Panjab University, Chandigarh (in 2006) as well as by PTU, Jalandhar/Kapurthala, Punjab (in 2005) for pursuing research work leading to the degree of Ph.D.

## Context and Relevance

The Internet has deeply rooted itself into our education system and digital learning has become common practice. The current growth of online education in India is driven by a combination of demand, supply and macroeconomics drivers such as Government Digital Initiatives, Large Young Population, Increasing Smart User Base, Improving Internet Penetration, Availability of Quality Education, Attractive Cost of Online Education etc. At the same time, there is a tremendous increase of cloud based technology and IoT in education/digital learning. The Faculty Development Programme helps the participants to understand the key factors for successful implementation of cloud based technology and IoT in education and digital learning.

**Relevance:** Smart/digital technology not only enables the students to learn faster but also helps the teachers to do their job more efficiently. Digital content means easier sharing and more collaboration amongst teachers. They can build on each other's knowledge. Teachers need to be trained, supported through professional development, motivated and willing to continually improve their teaching practices. As a result, there is a large need for applicable teacher education and professional development support. This Faculty Development Programme will help the technical teachers to learn new tools or techniques for digital learning.

## AICTE Sponsored Two Weeks FDP

On

### *Digital Learning: The Prospects of IoT Technology in Education*



25<sup>th</sup> November 2019 – 6<sup>th</sup> December 2019



Organized By

Educational Television Centre and IMCO  
National Institute of Technical Teachers  
Training and Research (NITTTR)  
Sector-26, Chandigarh-160019

[www.nitttrchd.ac.in](http://www.nitttrchd.ac.in)

### About the Seminar

The objectives of the FDP are:

- To promote digital learning by creating awareness of various techniques and tools such as virtual classrooms, e-content, cloud based learning, social learning, collaboration learning, LMS, Lightboard, ScanMarker Air, Wacom Wireless Pad, etc.
- To encourage faculty/staff/students to use digital technologies in teaching learning.
- To discover and explore key IoT concepts, technologies, architectures and standards including identification, wireless protocols and security.
- To realize the value created by collecting, communicating and leveraging the data from connected IoT devices in digital learning.
- To understand the key factors for successful implementation of IoT in education/digital learning.

### Registration

There is no registration Fee for the faculty of AICTE Approved Institutions. The faculty need to register with NITTTR STC Management System for the Course on SP-21.

The seats are limited to 50 and the participants are registered on first cum first serve in our web portal.

### Resource Persons

Eminent resource persons from Industry and Academia.

### FDP Coordinators

Prof. Mytryee Dutta  
Professor and Head

Educational Television Centre and IMCO  
National Institute of Technical Teachers  
Training and Research, Chandigarh  
Email: [d\\_maitreyee@yahoo.co.in](mailto:d_maitreyee@yahoo.co.in)

&

Prof. Srinivasa K G  
Professor (IMCO)  
NITTTR, Chandigarh  
Email: [kgsrinivasa@nitttrchd.ac.in](mailto:kgsrinivasa@nitttrchd.ac.in)  
Mobile: 9731696526

### Registration Steps

Visit: <http://14.139.60.236/stconline1/index.php>

**Step 1** : All participants are required to create their online account through one time registration as new user.

**Step 2** : Verify mobile no through OTP.

**Step 3** : After login, participant has to click on Apply for STC menu in the left panel, for first time they will be asked to pay annual convenience fee of Rs. 100/- valid for one financial year.

**Step 4** : Pay the annual convenience fee through Online payment facility.

**Step 5** : Apply for the STC **SP-21 – Digital Learning: The Prospects of IoT Technology in Education** under Educational Television Centre

**Step 6** : Download Application form under STC Applied menu in the left panel, Print it, get it duly signed by Competent Authority of your Institution

**Step 7** : Upload the signed Application form/sponsorship letter under upload sponsorship menu in the left panel

**Step 8** : Confirmation to the participants will be sent by the programme coordinator

**Step 9** : All confirmed participants must report at 9:30 am on the starting day of the FDP

**Step 10** : After successful completion of the course, participants can download completion certificate of Faculty Development Programmes from the portal itself.