

Certificate in ICT & Education for Teachers and Teacher Educators (C-03)

About the course

This is a practice-based online course that will help teachers develop a deeper understanding of the role of technology in teaching and learning, provide hands on experience of designing lesson integrating technology in curriculum and pedagogy for students to improve understanding of subjects and develop higher order thinking skills.

Course Objectives

Understand and appreciate constructivist approaches to learning, and the role of technology in constructing meaningful learning experiences for the students.

Explore various technology applications and projects; and critically evaluate their use and its role in meaningful learning.

Explore technology enabled experiences for continued professional development.

Who can do this course?

Teachers and educators associated with and teaching middle and secondary level students and having access to at least 5-10 students can undertake this course.

Course Outline

Unit 1: ICT and Learning

This unit will delve into the concept of constructivist learning approaches, concept of constructionist, and 21st century and the interconnectedness of all the above in making learning authentic or meaningful to one's context. The concept of Information Communication Technology in education and its evolution in history will be discussed here.

Unit 2: Integrating ICT in curriculum and pedagogy

This unit will enable learners to critically examine the role of technology in student learning activities, select appropriate technology devices/applications, and plan activities to integrate ICT with curriculum and pedagogy.

Unit 3: Technology adoption in schools and role of teachers

The unit will use the TPACK model as a lens to understand the teachers' role in integrating technology, curriculum and pedagogy. Teachers' beliefs about technology and their scepticism will be discussed through vignettes and discourses. Also, the issues related to digital divide and gender will be discussed here in details. The concept of community of practice for teachers and how technology can be meaningfully leveraged to sustain these practices will be pursued through online activities.

- The course will be offered in a **Blended mode- Online component and classroom practice.**
- **Certificate** on Completion.
- Interact with the course team through **Webinars.**
- Participate in **online discussion forums.**
- Access the course via **TISSx app** on your mobile.
- Duration for course completion- Sixteen weeks (6-7 hours every week)