

## About the SWAYAM MOOC *ICT Skills in Education* by Dr Ismail Thamarasseri

Dr. Ismail Thamarasseri, Assistant Professor, School of Pedagogical Sciences, Mahatma Gandhi University offering a Massive Online Open Course (MOOC) titled as “ICT Skills in Education” at the indigenous Indian online education platform SWAYAM. Overall Objective of this course is to develop awareness among the learners about the importance and need of incorporating modern ICT Skills in education. This course will give the learners a clear understanding of what is happening to different aspects of ICT worldwide. This course is also designed in a way to make the learners critically aware about the various issues in the integration of ICT in education. After completing this course, the learner will be getting familiar with the meaning, need, significance and emerging trends of ICT skills in education. It is a four-credit course that has to be completed within a period of 12 weeks. The course consists 40 lessons. The lessons for learning are uploading in the first three days of every week followed by interaction based on the lessons covered. Regular live interaction and discussion forum is the added attraction of the course. Each module includes Quiz, assignments and reference materials. Final computer-based test is carried out by National Testing Agency (NTA) and certificate will be issued.

### Course layout

#### Week 1

First day: Module 1: Approaches to Education Technology

Second day: Module 2: Technological, Development and Its Impact on Education

Third day: Module 3: The Meaning and Scope of Education Technology

#### Week 2

First day: Module 4: ICT in Education

Second day: Module 5: Role of Mass Media in Education

Third day: Module 6: Audio Visual Technology – Meaning and Scope

#### Week 3

First day: Module 7: Types of Audio-Visual Aids for Teaching

Second day: Module 8: Projected Visual Aids of Teaching

Third day: Module 9: Factors Influencing Media Selection for Teaching or Instruction

#### Week 4

First day: Module 10: Language Laboratory

Second day: Module 11: Fundamentals of Communication

Third day: Module 12: Classroom Communication and Interaction

#### Week 5

First day: Module 13: Approaches to Instruction

Second day: Module 14: Computer Assisted Instruction (CAI)

Third day: Module 15: New Trends in Education: E-Learning

#### Week 6

First day: Module 16: IT Education in India

Second day: Module 17: Fundamentals of Programmed Learning (PL)

Third day: Module 18: Web Resources for Natural Science Teaching

## Week 7

First day: Module 19: Audio Visual Aids in Social Studies Education

Second day: Module 20: Use of Films, Community Resources, Library, Laboratory and Museum in Social Science Teaching

Third day: Module 21: Instructional Media in Social Studies

## Week 8

First day: Module 22: Blended Learning

Second day: Module 23: Flipped Classroom

Third day: Module 24: Open Education Resources (OER)

## Week 9

First day: Module 25: Cloud Computing

Second day: Module 26: Mobile Apps for Teaching and Learning

Third day: Module 27: Integrating ICT Skills in Classroom-Changes and Challenges

Fourth day: Module 28: Teachers in the Digital Era

## Week 10

First day: Module 29: ICT and Distance Education

Second day: Module 30: ICT and Teacher Education

Third day: Module 31: National Policy on ICT in School Education

Fourth day: Module 32: Operating Systems and Application Software's

## Week 11

First day: Module 33: Data Base Management Systems (DBMS)

Second day: Module 34: Learning Management Systems (LMS)

Third day: Module 35: Computer Networks

Fourth day: Module 36: E-Commerce and E-Governance

## Week 12

First day: Module 37: Artificial Intelligence

Second day: Module 38: Internet of Things (IOT)

Third day: Module 39: Free and Open-Source Software's (FOSS)

Fourth day: Module 40: ICT initiatives of Government of India

## Further details and Links

Session	Number of Learners Enrolled	Number of Learners registered for the Final NTA Exam	Link
July 2024	Yet to be announced		
January 2023	4625	1380	<a href="https://onlinecourses.swayam2.ac.in/cec23_ed06/preview">https://onlinecourses.swayam2.ac.in/cec23_ed06/preview</a>
January 2022	2285	769	<a href="https://onlinecourses.swayam2.ac.in/cec22_ed14/preview">https://onlinecourses.swayam2.ac.in/cec22_ed14/preview</a>
July 2020	1777	112	<a href="https://swayam.gov.in/nd2_cec20_ed09/preview">https://swayam.gov.in/nd2_cec20_ed09/preview</a>
July 2019	2711	111	<a href="https://swayam.gov.in/nd2_cec19_ed10/preview">https://swayam.gov.in/nd2_cec19_ed10/preview</a>

## Other Details / FAQ

Course Title	ICT Skills in Education
Course Coordinator	Dr. Ismail Thamarasseri, Ph: +91 9446154254, E-mail: <a href="mailto:ismaiktkl@gmail.com">ismaiktkl@gmail.com</a> , Website: <a href="https://ismailthamarasseri.com/">https://ismailthamarasseri.com/</a>
Course Outcome	To equip learners with a comprehensive understanding of the importance and necessity of integrating modern ICT skills into education, thereby fostering awareness of global ICT developments
Level	Undergraduate/post-graduate
Target Audience	ITEP, B.A., B.Ed., B.El. Ed., MA (Education), MEd students, and in-service teachers
Duration of the course (in weeks)	12
Number of Modules	40
Course Credits	04
Is it a Core course or Elective Course	Elective/Core
Category	Teacher Education
Final Exam Type	Proctored Computer Based Test
Number of MCQs for Final NTA exam	50 questions, each question carry two marks
Is there any negative marking?	No
Is there any Scientific/Normal Calculator Required for final exam?	No
Is there any Log/Statistical Table Required for final exam?	No
Course certificate	The course is free to enrol and learn. However, if you want a certificate, you have to register and write the proctored exam conducted NTA in person at any of the designated exam centres. Only the e-certificate will be made available. Hard copies will not be provided.
Are there any weekly tests?	Yes, every week there is a quiz. Out of 12 weekly quizzes the learner has to attempt any 05 compulsorily.
Is there any deadline for weekly tests?	Yes
Is it a self-paced or regular course?	Regular
National Coordinator	Consortium For Educational Communication (CEC)
Production	EMMRC Calicut