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			https://onlinecourses.swayam2.ac.in/cec24_ed20/preview
January 2023	4625	1380	https://onlinecourses.swayam2.ac.in/cec23_ed06/preview
January 2022	2285	769	https://onlinecourses.swayam2.ac.in/cec22_ed14/preview
July 2020	1777	112	https://swayam.gov.in/nd2_cec20_ed09/preview
July 2019	2711	111	https://swayam.gov.in/nd2_cec19_ed10/preview

Other Details / FAQ

Course Coordinator Dr. Ismail Thamarasseri, Ph: +91 9446154254, E-mait: ismailktkli@gmail.com, Website: https://ismailthamarasseri.com/ 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 Undergraduate/post-graduate/post-graduate Target Audience Undergraduate/post-graduate Target Audience Undergraduate/post-graduate Target Audience Undergraduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-graduate/post-gr	Course Title	ICT Skills in Education
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