

ANNEXURE 1 - INDIVIDUAL COURSE DETAILS

ITEC

Training Educators on AI Awareness and Technology Integration

A. Name of the Institute	National Institute of Technical Teachers Training and Research Institution Deemed to be University under Distinct Category, A Centrally Funded Technical Institute Ministry of Education Government of India, Taramani, Chennai • 600 113.
B. Name / Title of the Course	Training Educators on AI Awareness and Technology Integration
C. Course Dates with Duration in Weeks	Weeks: 2 Start Date : 16 th July 2025 End Date:29 th July 2025
D. No. of days of Training	Days: 14 (including weekends) learning hours (Approximate): 80 hrs
E. Eligibility Criteria for Participants 1. Educational Qualification 2. Work Experience required, if any 3. Age Limit 4. Target Group	Applicants for this course must be Information Technology (IT) Teachers / IT professionals/ Programmers and ICT Trainers Minimum of two years' experience in teaching / IT / Networking / ICT application design, Development and Training Have a good proficiency in English which is the medium of instruction. Preferably not more than 45 years Computer Science and Information Technology professionals
F. Aims & Objectives of the Course	To empower educators with foundational knowledge of Artificial Intelligence (AI) and its applications in education, and to equip them with the skills needed to effectively integrate AI and technology into teaching and learning processes for enhanced educational outcomes. Course Objectives: 1. To provide educators with a foundational understanding of AI concepts and its applications in education.

	<ol style="list-style-type: none"> 2. To train educators on effectively using AI-driven tools for personalized learning, automated grading, and administrative tasks. 3. To enhance educators' ability to integrate AI and digital technologies into teaching for improved learner engagement. 4. To encourage critical thinking on the ethical and pedagogical implications of AI in education. 5. To equip educators to adapt to emerging AI trends and advocate for technology integration in their institutions.
G. Course Contents / Syllabus (Day-Wise Schedule, topics covered)	Attached
H. Mode of Evaluation of Performance of the ITEC Participants	<p>The following strategies will be used for effective instruction</p> <ul style="list-style-type: none"> • Lectures • Group Discussions • Hands on practice sessions • Assignments • Local visits/ Field visits Industries <p>The following strategies will be used for effective performance evaluation of participants</p> <ul style="list-style-type: none"> • Evaluation of assignments • Evaluation of Hands on practice • Paper presentation • Evaluation of Project work and subsequent presentations <p>The participants will be evaluated using the above strategies and the Evaluation Process itself to be used as a tool for learning.</p> <p>At the end of the course, candidates will be awarded with an Advanced Certificate on “Training Educators on AI Awareness and Technology Integration.”</p>
I. Name of the Department	Department of Computer Science and Engineering
J. Name of the Coordinator	Dr. S. Sasirekha

Rationale of the Course - Training Educators on AI Awareness and Technology Integration

The rapid advancements in Artificial Intelligence (AI) and digital technologies are transforming every aspect of education, from personalized learning to administrative efficiency. Educators play a pivotal role in shaping the future workforce and fostering 21st-century skills among learners. However, many educators lack adequate awareness and training to harness the potential of AI and effectively integrate technology into their teaching practices. This course is designed to address this gap by equipping educators with a foundational understanding of AI concepts, tools, and applications relevant to education. It also provides skills to integrate AI and technology into instructional strategies for enhanced learner engagement and outcomes. Additionally, the course offers insights into the ethical and pedagogical implications of AI in education, ensuring responsible and effective use of these technologies. Educators will gain practical knowledge to use AI-driven tools for personalized learning, collaboration, and inclusive education. Furthermore, the course focuses on strategies to overcome barriers to technology adoption and foster a culture of innovation in educational institutions. Ultimately, this course aims to empower educators to become proactive change agents, promoting the effective use of AI and technology to meet the evolving demands of learners and the education sector.

Day-wise schedule:

Date	Forenoon Session	Afternoon Session
Module 1: Foundations of AI		
Day 1	Introduction to AI and its relevance	Overview of AI in education
Day 2	Basics of machine learning and deep learning	Real-world applications of AI in education
Day 3	AI technologies and tools in classrooms	Ethical considerations of AI in education
Module 2: Technology Integration		
Day 4	Principles of integrating technology	Exploring ICT and digital tools for teaching
Day 5	Collaborative learning using technology	Case studies: Effective technology integration
Module 3: Advanced AI in Education		
Day 6	Field Trip	Field Trip
Day 7	AI for personalized learning	AI for inclusive and accessible education
Module 4: Future and Practical Use		

Day 8	Automating administrative tasks using AI	AI-driven data management in education
Day 9	Field Trip	Field Trip
Day 10	Emerging trends in AI for education	Generative AI and its applications
Day 11	Evaluating learning outcomes & Discussions	