



**TRANSFORMATIVE  
TEACHING WITH AI:**  
PRACTICES AND  
APPROACHES IN EDUCATION

## ADVANCED COURSE

Start Date: 28th Sept. 2024 | Duration: 3 Months (13 Sessions) | Saturdays | 90 minutes.

**Outcome:** Participants deepen their understanding of advanced AI applications, explore future trends, and develop leadership skills necessary for effectively navigating ethical and strategic challenges in AI integration within educational institutions.

### Module 1: Implementing AI in the Classroom - II

<p><b>1.1. Session 1: Assessment (evaluations) of Students' Learnings using AI</b></p> <ul style="list-style-type: none"><li>AI-based assessment methods</li><li>Addressing challenges in AI-based evaluation</li></ul>	<p><b>Ms. Ridhi Agarwal</b> Co-founder Acadally, New Delhi</p>	28-Sep-24
<p><b>1.2. Session 2: Analysing Student Performance Data</b></p> <ul style="list-style-type: none"><li>Using AI to analyse student data for improvement</li><li>Identifying patterns and trends in learning analytics</li></ul>	<p><b>Dr. Steve Ritter</b> Founder, Carnegie Learning, Pennsylvania, USA</p>	05-Oct-24
<p><b>1.3. Session 3: Generative AI Expands Curiosity &amp; Understanding</b></p> <ul style="list-style-type: none"><li>Google's AI Vision and solutions for boosting creativity and productivity.</li><li>LearnLM Family of models: fine-tuned for learning; demos/videos/case studies.</li></ul>	<p><b>Sanjay Jain</b> Google for Education Head, India</p>	19-Oct-24
<p><b>1.4. Session 4: AI-based Universal Access to Differently Challenged Students</b></p> <ul style="list-style-type: none"><li>AI apps provide real-time: captions to deaf; screen reader access to blind; translation to students from non-native backgrounds</li><li>Highlighting real-world examples of such AI implementations in classrooms analytics</li></ul>	<p><b>Mr. Anil Rewari</b> Programme Director</p>	26-Oct-24

### Module 2: Exploring Newer AI Platforms

<p><b>2.1. Sessions 5: OpenAI's latest products (OpenAI o1, ChatGPT 4o)</b></p> <ul style="list-style-type: none"><li>Comparisons of functionality and usage</li><li>Create your own custom versions of ChatGPT</li></ul>	<p><b>Open AI</b></p>	02-Nov-24
<p><b>2.2. Session 6: Focus on Khanmigo (Khan Academy)</b></p> <ul style="list-style-type: none"><li>Overview of AI-powered teaching assistant layered above GPT-4</li><li>Demo of range of functionality</li></ul>	<p><b>Dr. Kristen DiCerbo</b> Chief Learning Officer, Khan Academy</p>	09-Nov-24

### Module 3: Future Trends and Continuous Learning

<p><b>3.1. Session 7: Intelligent Teacher's Assistant</b></p> <ul style="list-style-type: none"> <li>Design requirements to support educators and admin tasks;</li> <li>Enhance effectiveness, efficiency and personalization – Demo, case studies</li> </ul>	<p><b>Dr. Satya Nitta</b> Co-founder &amp; CEO, Merlyn Mind</p> <p><b>Dr. Prasenjit Dey</b> Sr. VP (Innovation) and India Head, Merlyn Mind</p>	<p>16-Nov-24</p>
<p><b>3.2. Session 8: Virtual and Augmented Reality in Education</b></p> <ul style="list-style-type: none"> <li>Applications of VR and AR in educational settings</li> <li>Building immersive learning experiences</li> </ul>	<p><b>META</b></p>	<p>23-Nov-24</p>
<p><b>3.3. Session 9: Emerging Trends in AI in Education</b></p> <ul style="list-style-type: none"> <li>Exploration of upcoming technologies</li> <li>Predicting the future of AI in education</li> </ul>	<p><b>Mr. Jim Goodell</b> Chair IEEE Learning Technologies SC; Director of Innovation, Quality Info Partners, MA, USA</p>	<p>30-Nov-24</p>
<p><b>3.4. Session 10: Professional Development and Continuous Learning</b></p> <ul style="list-style-type: none"> <li>Strategies for teachers to stay updated on AI advancements</li> <li>Building a professional network in the AI in education community</li> </ul>	<p><b>Prof. Anil Maheshwari</b> Director, Centre for Data Analytics, Maharishi International University, Iowa, USA</p>	<p>07-Dec-24</p>

### Module 4: Successful Deployment of AI Pilots

<p><b>4.1. Session 11: Pivotal Role of Institutional Leadership in Propelling AI in Education</b></p> <ul style="list-style-type: none"> <li>Setting up vision; strategic planning; resource allocation; professional development</li> <li>Navigating ethical challenges in AI integration: algorithmic bias, data privacy, and the digital divide.</li> </ul>	<p><b>Panel: Mr. Vinod Malhotra</b> Chairman STTAR and <b>Owners of educational institutions successfully deploying AI</b></p>	<p>14-Dec-24</p>
<p><b>4.2. Session 12: Planning for Rapid Prototyping of AI Pilots in Education</b></p> <ul style="list-style-type: none"> <li>Developing a roadmap for rapid prototyping of AI pilots in preferred solution areas</li> <li>Identifying key objectives, resources, and timelines for successful deployment of AI pilots</li> </ul>	<p><b>Panel: Mr. Anil Rewari</b> Programme Director and <b>Experts who have successfully implemented AI solutions in education</b></p>	<p>21-Dec-24</p>
<p><b>4.3. Session 13: Closing Ceremony and Certification</b></p> <ul style="list-style-type: none"> <li>Awarding certificates to participants</li> <li>Reflection on the learning journey and future steps in integrating AI in education</li> </ul>	<p><b>STTAR Executives, Guest Speaker</b></p>	<p>28-Dec-24</p>





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