NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Report on the Faculty Development Programme: "AI Tools in Teaching Pedagogy"

The Department of Artificial Intelligence and Machine Learning at New Horizon College of Engineering organised a one-day Faculty Development Programme (FDP) on *AI Tools in Teaching Pedagogy* on 10th May 2025. The FDP aimed to empower faculty members with knowledge and hands-on experience in using cutting-edge Artificial Intelligence (AI) tools to enhance teaching effectiveness, personalise learning, and increase academic engagement. This initiative was part of the Department's broader mission to integrate emerging technologies into pedagogy and support the continuous professional growth of educators in a digitally evolving academic landscape.

Objectives of the FDP

• To introduce faculty to AI tools that enhance teaching and learning outcomes.
• To provide hands-on experience with AI platforms for lesson planning, content generation, and assessment.
• To discuss the ethical implications and best practices for AI integration in classrooms.
• To foster collaboration and innovation among faculty members through knowledge sharing.

Programme Schedule

The FDP was structured into two sessions

Morning Session: 9:30 AM – 12:30 PM

Theme: Introduction to AI Tools and Applications in Education

Session Highlights
• Overview of the role of AI in modern education.
• Demonstration of AI tools like ChatGPT, Eduaide.ai, and Curipod.
• Discussion on how AI can assist with lesson planning, automating grading, generating quizzes, and providing feedback.
• Integration of AI tools with Learning Management Systems (LMS)

Afternoon Session: 1:30 PM – 4:30 PM

Theme: Hands-on Experience and Pedagogical Strategies

Session Highlights
• Interactive practice sessions with selected AI platforms.
• Collaborative group tasks: Designing lesson plans using AI.
• Ethical considerations and responsible use of AI in academic environments.
• Open forum for faculty to share ideas, challenges, and solutions.

Participants and Engagement

Faculty members from the Department of AI and ML participated enthusiastically in both sessions. The interactive nature of the sessions, coupled with live demonstrations and real-time tool usage, encouraged active engagement and practical learning. Participants appreciated the opportunity to explore how AI can reduce administrative burden and enhance student learning experiences.

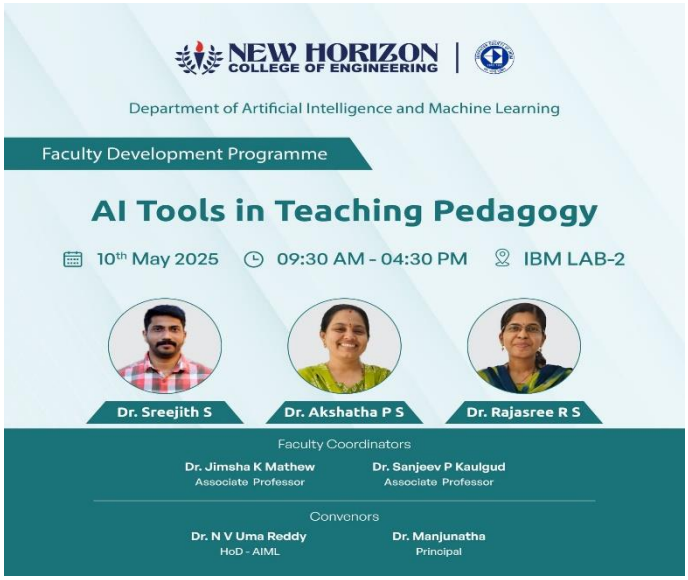
Outcomes and Feedback

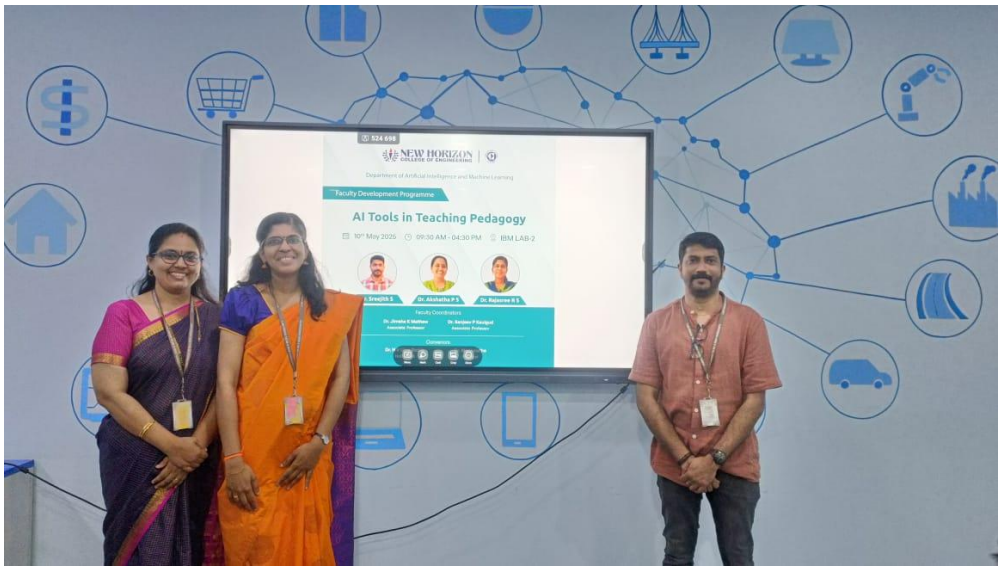
- Participants gained insights into the latest trends in AI-powered education.
- Faculty were able to identify specific tools they could integrate into their own courses.
- The FDP promoted a deeper understanding of how to leverage AI for adaptive, personalised teaching.
- Feedback indicated a strong interest in follow-up workshops focusing on advanced AI tools and classroom implementation strategies.

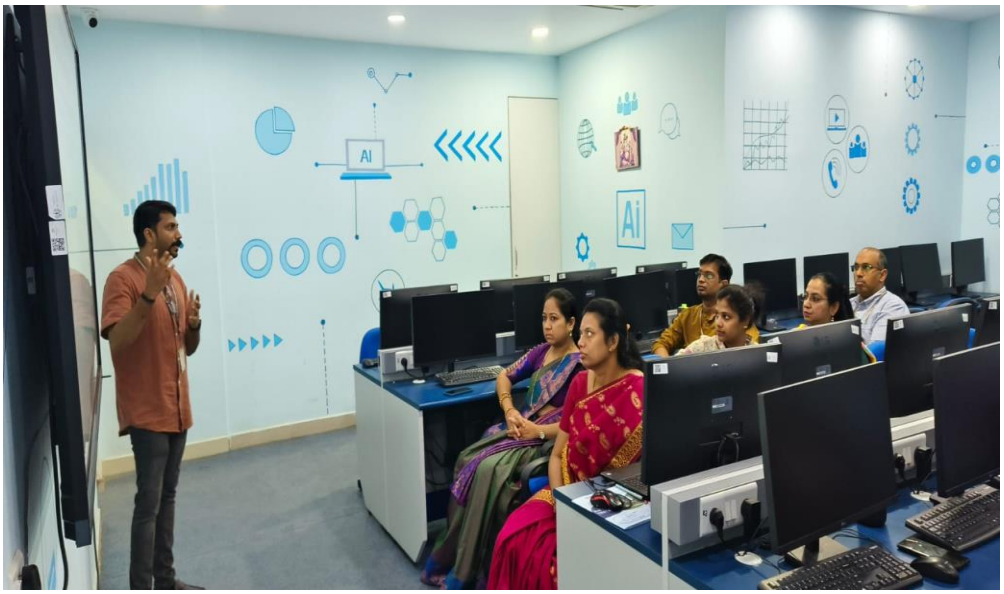
Conclusion

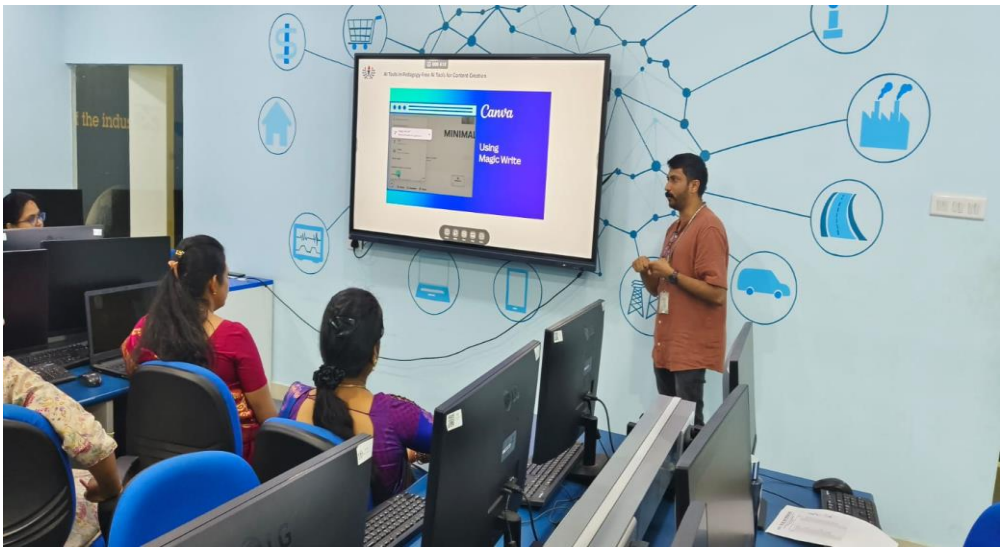
The FDP on *AI Tools in Teaching Pedagogy* successfully achieved its goals of equipping educators with the knowledge and tools needed to enhance their teaching methodologies. It opened avenues for innovation in pedagogy and encouraged the faculty to adopt a more technology-integrated approach to instruction.

The Department of AI and ML remains committed to faculty development and plans to conduct more knowledge-sharing and skill-building programmes in the future.









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(Dr. N V Uma Reddy)