



**ADHIYAMAAN COLLEGE OF ENGINEERING
(AUTONOMOUS)**
Affiliated to Anna University, Chennai.
NBA Accredited Programs: BME, BT, CSE, ECE, EEE, IT & MCA
Accredited by NAAC 'A' GRADE

DATE: 16.10.2024

CENTRE FOR FACULTY DEVELOPMENT

PROGRAM REPORT

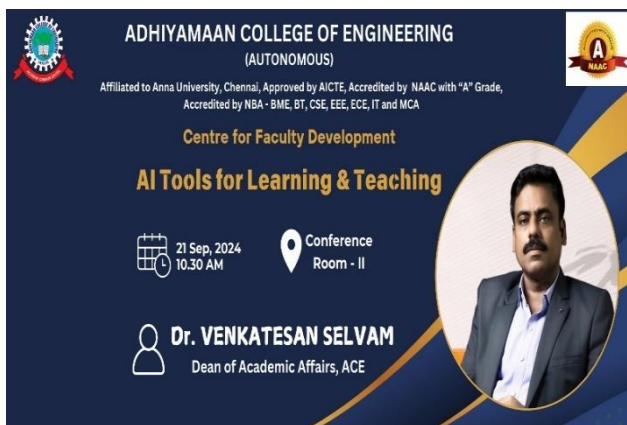
Program Title: AI TOOLS FOR LEARNING AND TEACHING

Resource Person: Dr. Venkatesan Selvam, Dean-Academic, Adhiyamaan College of Engineering.

Event Date: 21.09.2024

Introduction

Centre for Faculty Development hosted a significant program titled "AI Tools for Learning and Teaching" on 21.09.2024. The session aimed to equip faculty members with knowledge about various artificial intelligence tools that can enhance the teaching and learning experience. The program was attended by all the department HODs and faculty members, with around 40 members in total attending from various departments. The program commenced with the traditional Tamilthai Valthu, symbolizing a commitment to education.



Program Overview

Dr. Venkatesan Selvam, Dean-Academic, delivered an insightful presentation covering several critical topics related to the integration of AI in educational settings. He began by discussing how AI can streamline the preparation of academic materials, significantly reducing the time and effort required for lesson planning. This insight set the tone for understanding the potential of AI in educational preparation.

The presentation explored innovative approaches to integrating AI into educational practices. He illustrated the transformative potential of AI in creating adaptive learning environments, showcasing how it can enhance student engagement and learning outcomes. He shared insights on the growing influence of AI across various industries, emphasizing its relevance to education and the opportunities it presents for educators.

A key highlight was the introduction of intelligent tutoring systems, which provide personalized learning experiences by analyzing student performance and adapting instructional strategies. The resource person also addressed the utility of chatbots in education, explaining how they can facilitate communication and support for students by addressing common queries, thereby freeing up faculty time for more complex tasks.



The importance of aligning syllabus with Outcome-Based Education (OBE), Course Outcomes (CO), and Program Outcomes (PO) was underscored, with resource person discussing how AI tools can assist in effectively framing syllabus that meet educational standards. Additionally, he highlighted the role of learning analytics in education, demonstrating how data-driven insights can inform teaching strategies and improve student outcomes.

Dr. Venkatesan Selvam emphasized that automation through AI can alleviate administrative burdens, allowing faculty to focus more on fostering student engagement. He provided examples of tasks that can be automated to enhance efficiency, making a compelling case for the integration of AI into daily educational practices.

Resource person introduced around 45 AI tools designed for various educational purposes. These tools encompassed those for preparing notes and presentations, developing comprehensive assessments, and promoting personalized learning experiences for students. He recommended several personal learning AI tools that can help tailor learning experiences to individual student needs.



The program was an enriching experience for all attendees, fostering a collaborative environment where faculty members could engage with the latest developments in AI technology. The insights shared by Dr. Venkatesan Selvam provided a solid foundation for integrating AI tools into educational practices.

Conclusion

The session concluded with a vote of thanks delivered by Dr. K. Santhi, Head of the Department of Electrical and Electronics Engineering. The program ended with the National Anthem, reinforcing the spirit of unity and commitment to education among all participants.

This program significantly contributed to the professional development of faculty members and underscored the importance of embracing technology in education. It served as a crucial step toward fostering an innovative learning environment that can adapt to the evolving needs of students.