FACULTY DEVELOPMENT PROGRAM (FDP)
Artificial Intelligence in Advanced Teaching Learning

The Department of Computer Science along with the Academic & Administrative Development Centre at USTM, organized an online One Week Faculty Development Program on Artificial Intelligence in Advanced Teaching Learning from March 19th to March 26th, 2024.

During this program, we had some eminent and experienced academicians from IIT, IIIT and various universities across India share their knowledge with us.

The opening session was conducted on 19th March, 2024 and was honored by Professor Ram Prakash Sharma from NIT Arunachal Pradesh, Dr. Pankaj Mittal, Secretary General of AIU, Dr. Amarendra Pani, Joint Director and Head, Research, Convenor, AADC, and Professor G.D. Sharma, Vice-Chancellor of USTM and the President of AIU.

The FDP started on 19th March, 2024, with a session on "AI in Teaching Learning" by Dr. Shyamanta M. Hazarika, Professor, IIT Guwahati. Dr. Hazarika shared insights into how artificial intelligence is revolutionizing the teaching and learning landscape, offering innovative methods to enhance educational experiences for both educators and learners. Drawing from his expertise, he discussed the various applications of AI in educational settings, highlighting its potential to personalize learning, provide real-time feedback, and optimize educational resources.

On 20th March, 2024, Dr. Navanath Saharia from IIIT Manipur conducted a session on the topic of "Resetting Teaching and Learning in the Age of *GPT". Dr. Saharia explored the transformative impact of cutting-edge technologies like GPT models on traditional teaching and learning paradigms. He examined how GPT and similar advancements are reshaping educational practices, emphasizing the need for educators to adapt and leverage these tools effectively to meet the evolving needs of students in the digital age.

On 21st March, 2024, Professor Shahinara Begum, a distinguished faculty member at Assam University, Silchar, led a session titled "Leveraging AI for Advanced Teaching Learning". Professor Begum illustrated the strategic integration of artificial intelligence into educational frameworks to facilitate advanced teaching and learning methodologies. She discussed practical approaches to harness AI technologies for enhancing curriculum design, instructional delivery, and student engagement, fostering a dynamic and inclusive learning environment.

On 22nd March, 2024, Dr. Parveen Sultana, Professor, USTM, led a session titled "Exploring Various AI Techniques in Teaching/Learning". Dr. Sultana provided a comprehensive overview of the diverse AI techniques applicable to educational contexts, ranging from machine learning algorithms to natural language processing tools. Through case studies and demonstrations, she showcased the efficacy of these techniques in optimizing learning outcomes, promoting adaptive learning pathways, and providing interdisciplinary collaboration within educational institutions.

On 23rd March, 2024, Dr. Rajni Mohana, Professor, Amity University, Punjab, conducted a session on "Empowering Education: Harnessing ICT in E-content Development". Dr. Mohana emphasized the pivotal role of Information and Communication Technology (ICT) in creating enriching e-content for educational purposes. She explained strategies for utilizing ICT tools and platforms to develop interactive and multimedia-rich educational materials, catering to diverse learning styles and preferences.

On 26th March, 2024, Dr. Samarjeet Baruah, Professor, SMIT, conducted a session titled "How AI is Reshaping the Classroom". Dr. Baruah explored the transformative impact of AI technologies on traditional classroom dynamics, highlighting the opportunities and challenges they present for educators and learners alike. He

discussed the integration of AI-driven tools and applications to personalize instruction, optimize learning environments, and foster collaboration and critical thinking skills among students.

In the closing ceremony, the Chief Guest, Professor Vinay Kumar Pathak, Vice-Chancellor of Chatrapati Shahuji Maharaj University, Kanpur and Vice President of AIU expanded upon the significance of this Faculty Development Program in the present context. Total 70 participants, including research scholars, industry people & faculties from various Universities, participated in this FDP.