

## **Faculty Development Program (FDP)** **Role of Artificial Intelligence in Viksit Bharat @2047**

Academic and Administrative Development Center (AADC) hosted online one week FDP in collaboration with Viksit Bharat Cell @2047, GGSIP University on Role of Artificial Intelligence in Viksit Bharat @2047, during March 11-15, 2024. The objective of this FDP was to empower faculty members with the requisite knowledge, skills, and resources to effectively integrate AI into teaching, research, and institutional practices, thereby advancing Viksit Bharat's development as a globally competitive leader in AI innovation and application. Through curriculum development, pedagogical training, research capacity building, ethical considerations, industry collaboration, policy advocacy, evaluation, and community building, the FDP aims to foster a culture of AI-driven innovation, responsible development, and interdisciplinary collaboration among educators, researchers, and industry stakeholders, contributing to the nation's sustainable development and societal well-being in the AI era.

During the Faculty Development Program (FDP), participants were captivated by numerous expert lectures delivered by respected and experienced individuals, deepening their understanding of specific subject areas. Throughout the sessions, our esteemed speakers delved into various technical aspects related to the one-week online FDP on the "Role of Artificial Intelligence in Viksit Bharat @2047." The resource persons for this program were as follows:

The programme commenced with inaugural session led by Dr. Anshul Bhatia, Assistant Professor, USAR held via Cisco Webex platform, on March 11, 2024, at 05:30 PM. She extended a warm welcome to all participants and dignitaries. She discussed the significance of AI in shaping Viksit Bharat @2047. Following her, Prof. (Dr.) Arvinder Kaur, AADC, Nodal Officer, delivered the welcome address and greeted all attendees, stressing the pivotal role of Artificial Intelligence in advancing Viksit Bharat @2047. Afterwards, Prof. Anuj Kumar Vaksha, director, AADC shared his valuable insights on the objectives and perspective of Viksit Bharat @2047. Further, Dr. Anuradha Chug delivered the orientation of FDP as well as introduced the attendees to the objective and purpose of the FDP. She also accentuated the participants about the attendance and assessment criteria, and the overall conduct of the one-week online FDP. At the closing of the Inaugural function, Dr. Anuradha Chug concluded the ceremony with a vote of thanks to all the dignitaries and participants.

The technical session on Day 1 was led by Dr. Sanjay Kumar Singh, Assistant Professor at GGSIPU, East Delhi Campus, focusing on "Tech Powered India: Generative AI". Dr. Singh shared insights into the practical applications of Generative AI in daily life, including the Indian government's initiative, 'INDIAai'. He discussed applications, challenges, and tools associated with Generative AI. In conclusion, Dr. Anshul Bhatia expressed gratitude to Dr. Sanjay Kumar Singh for his enlightening discourse on Generative AI and its potential contributions to achieving the goals of Viksit Bharat @2047.

Day 2 of the FDP was commenced at 5.00 pm, where in the beginning of the session Dr. Amrit Pal Singh welcomed Dr. Sanjay Kumar Batish, Head, Computer Centre, Punjab Engineering College, Chandigarh with his brief introduction. Thereafter session was started by Dr. Sanjay Kumar Batish focusing on the role of Internet of Things (IoT) in the development of smart cities. He emphasized how IoT technology can transform urban areas by integrating various devices and sensors to gather data and improve efficiency in areas such as transportation, energy management, and public services. Dr. Batis

highlighted the potential of IoT to enhance citizen experiences, optimize resource utilization, and contribute to sustainable urban development. Through his session, attendees gained insights into the pivotal role of IoT in building smarter, more efficient cities that cater to the needs of citizens while promoting technological advancement and innovation in India. At the end of the session, Dr. Anuradha Chugh conveyed appreciation to Dr. Sanjay Kumar Batish for his insightful discussion on "Tech Powered India: IoT on Smart City" and its significant contributions toward realizing the objectives of Viksit Bharat.

Day 3 of the FDP was commenced at 5.30 pm, where in the beginning of the session, Dr. Upma Gautam, Associate Professor, USLLS, GGSIPU, was welcomed by Dr. Amar Arora along with a brief introduction of Dr. Upma Gautam. Thereafter, session was started by Dr. Upma Gautam by explaining the Role and importance of conceiving and shaping of safe public spaces in achieving the target of Viksit Bharat @ 2047. She also explained the ways to create safe places for the women and how new laws like Bhartiya Nyaya Sanhita plays an important role in the same. During the discussion, she also beautifully explained the way community services can be a game changer in improving the punishment mechanism and can be a big step in the right direction. In the end, Dr. Anuradha Chugh also submitted her vote of thanks to Dr. Upma for her wonderful insights into the criminal law and how things can be made better for achieving the target of Viksit Bharat @ 2047.

On Day 4, the session commenced at 5:30 pm, with Dr. Anshul Bhatia extending a warm welcome to Dr. Deepak Kumar, a Senior Digital Forensic expert from the Indian Cyber Crime Coordination Centre (I4C), Ministry of Home Affairs, New Delhi, providing a brief introduction of the esteemed guest. Following this introduction, Dr. Deepak Kumar initiated the session by offering insightful perspectives on the responsible application of AI to bolster India's technology sector. He proceeded to demonstrate various Generative AI tools and their practical implications. Throughout his presentation, Dr. Kumar shared valuable insights into harnessing AI's potential effectively, underscoring the significance of ethical usage for societal advancement. Moreover, he presented several case studies of cyber fraud and underscored the national cyber cell's initiatives aimed at promoting awareness about such cybercrimes. This comprehensive overview aimed to inspire the audience to embrace AI technology with integrity and responsibility. Dr. Anuradha Chugh expressed her appreciation to Dr. Deepak Kumar for his invaluable insights into advocating for the responsible use of AI to empower India and further the objectives of Viksit Bharat @ 2047.

On Day 5, starting at 5:30 pm, Dr. Anshul Bhatia warmly welcomed CA Anshul Gupta, introducing him as the distinguished speaker for FDP Day 5. After the introduction, CA Anshul Gupta commenced the session by presenting insightful perspectives on "VIKSIT BHARAT: Roadmap from Developing to Developed for All." Leveraging his extensive experience and expertise, he delved into key strategies and transformative measures essential for Viksit Bharat's developmental journey, addressing critical economic, social, and cultural aspects. With his engaging presentation style, CA Anshul Gupta captivated the audience's attention, instilling a sense of enthusiasm and inspiration for the future trajectory. In conclusion, Dr. Anuradha Chugh expressed her gratitude to CA Anshul Gupta for generously sharing his invaluable insights, thus significantly contributing to the realization of Viksit Bharat's vision for 2047.

Next, the participants were directed to attempt the assessment exam within the stipulated

time and submit the feedback. An evaluation quiz comprising of MCQs were prepared covering all the sessions, to assess the knowledge gathered by the participants.

The Faculty Development Program (FDP) attracted over 140 participants from prestigious institutes and colleges across India, all of whom had the opportunity to gain valuable insights from the exceptional sessions offered. The efforts of both the speakers and the organizing committee were acknowledged and praised by the participants, as evidenced by the overwhelmingly positive feedback received. The FDP was executed successfully, with the set objectives meticulously met throughout the program's duration.