DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (AI)

Report
On
Faculty Development Program
in association with
IQAC, IIMT College of Engineering

A programme on Faculty Development Program in association with IQAC, IIMT College of Engineering was organized by IQAC, 20-09-2025

Program Schedule

Program	**Faculty Development Program in association with IQAC, IIMT College of Engineering**
Date & Time	20.09.2025 10:00AM – 2:00PM
Venue	Krishna Hall, IIMT College of Engineering, Greater Noida
Resource Person	Mr. Umang Sharma, Co-Founder, Capabl, Greater Noida
No. of Participants	70

1. Objectives:

- **To enhance the understanding of foundational concepts of Generative AI**, including deep learning, transformer models, LLMs, GANs, and other generative architectures.
- **To provide hands-on experience with GenAI tools and platforms** such as ChatGPT, Gemini, open-source LLMs, and AI-based image, text, and code generators.
- **To train faculty in effective prompt engineering techniques** for improving interaction and output quality from GenAI models.
- **To develop the ability to integrate Generative AI in academic teaching**, including course design, assessment, content creation, and personalized student learning.

2. **Brief Write-up on the Programme/ Event:**

The department of CSE (AI), IIMT College of Engineering, Greater Noida, organized a Faculty Development Programme on **"Gen AI"** for the Engineering Faculties on 20th September, 2025.

The speaker began his lecture with a brief introduction on "Generative Artificial Intelligence"

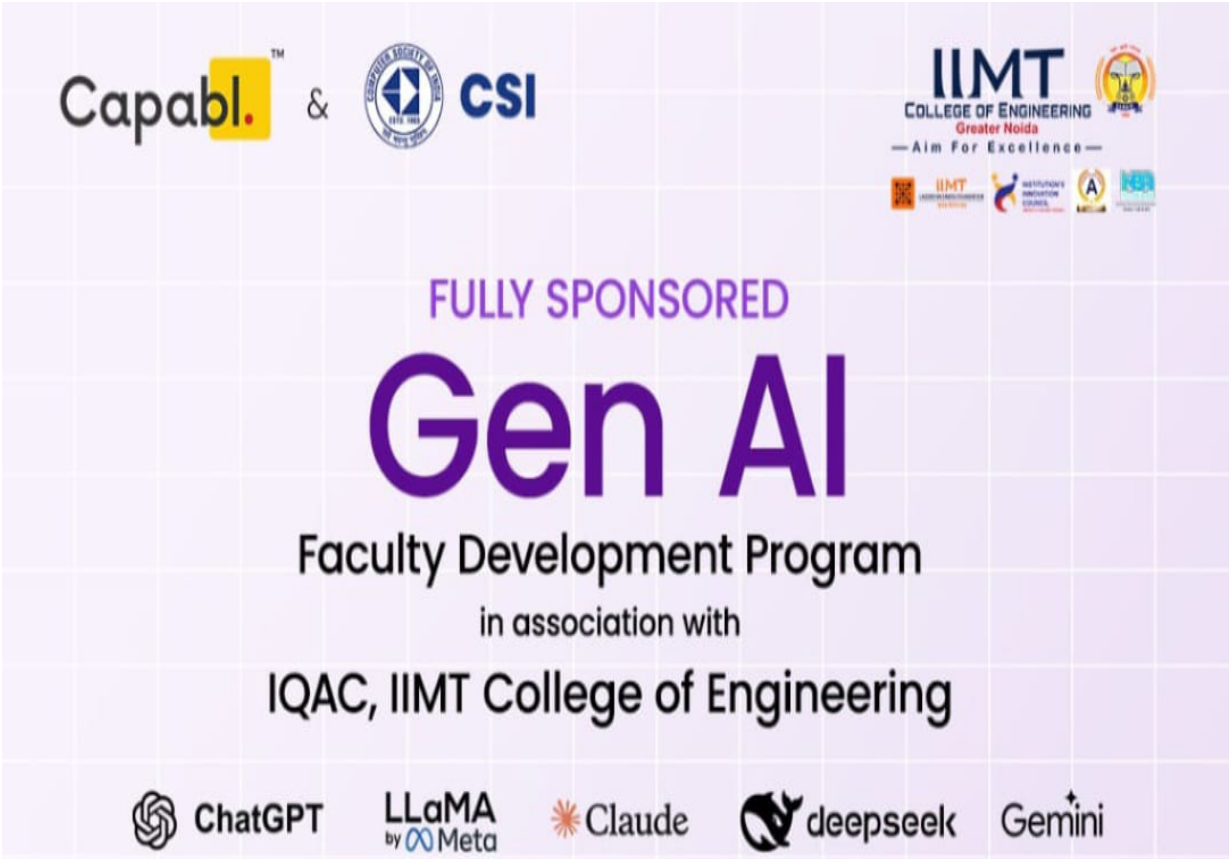
The Faculty Development Programme (FDP) on "Generative Artificial Intelligence" was conducted with the objective of enhancing the technical expertise, pedagogical understanding, and practical exposure of faculty members to emerging AI technologies. With the rapid integration of AI across industries, it has become essential for educators to stay updated with modern AI tools, generative models, and responsible AI practices. This FDP aimed to strengthen the teaching-learning ecosystem by empowering faculty to incorporate Gen AI concepts into curriculum design, research activities, and student mentoring. The programme began with an introductory session explaining the evolution of Artificial Intelligence and the transition from traditional machine learning models to generative models. Participants were introduced to the fundamental concepts behind Generative AI, including deep learning architectures such as Generative Adversarial Networks (GANs), Variational Autoencoders (VAEs), and Transformer-based models.

3. **Learning Outcome:**

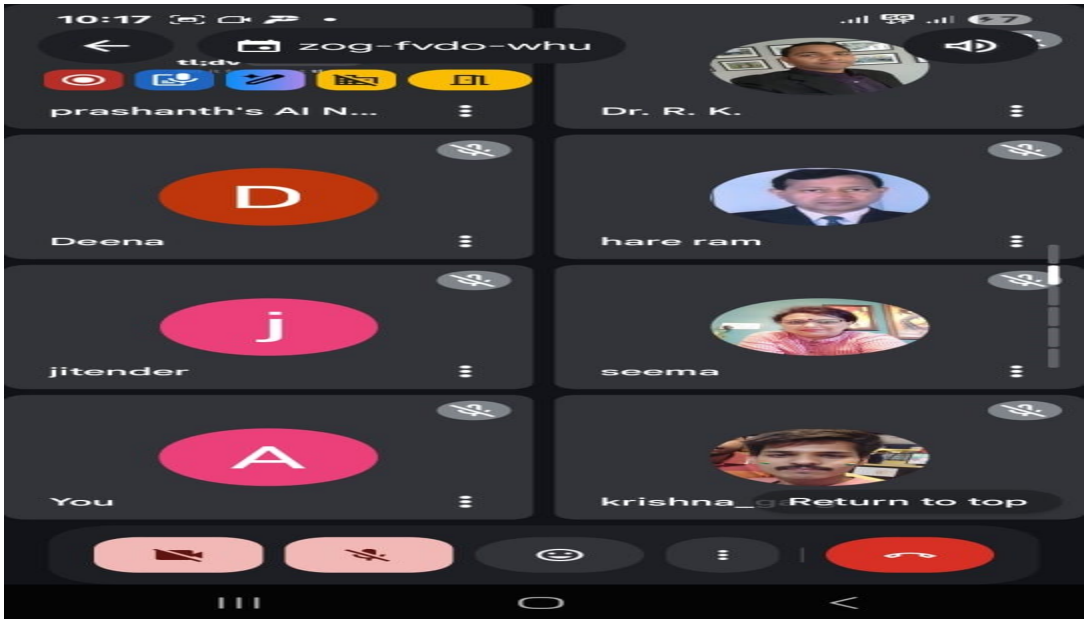
- **Explain the core concepts and architectures of Generative AI**, including GANs, VAEs, diffusion models, and transformer-based LLMs.
- **Demonstrate an understanding of how generative models learn patterns** from datasets and produce novel outputs such as text, images, audio, and code.
- **Use popular GenAI tools and platforms** (e.g. Gemini, Stable Diffusion, open-source LLMs) for academic, research, and professional tasks.
- **Apply prompt engineering techniques** to optimize model responses, improve accuracy, and produce context-specific outputs.
- **Develop AI-assisted content such as documents, visuals, datasets, and code** using generative tools for teaching, learning, and innovation.

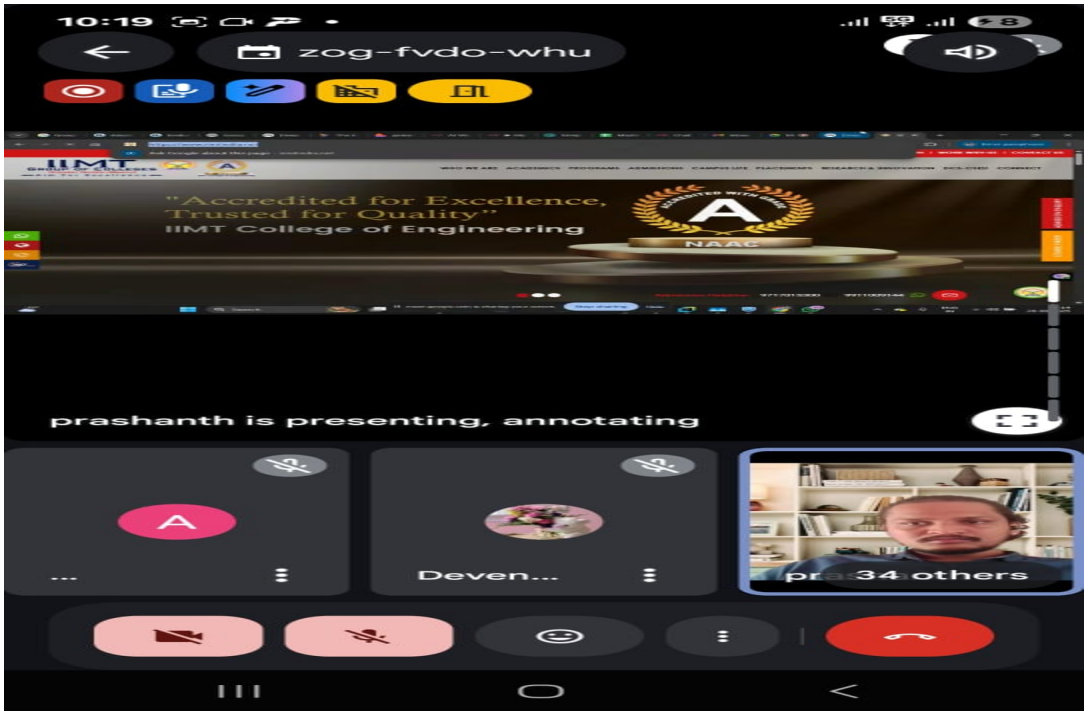
4. **Budget:** 0000/

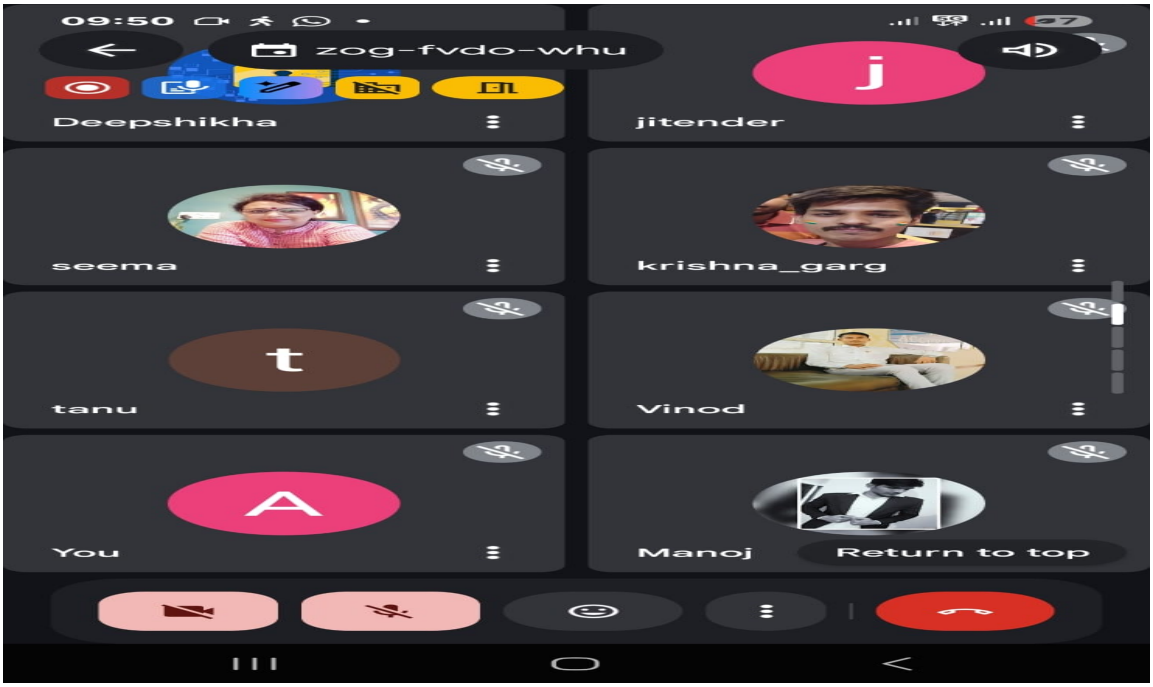
5. **Photos of the Session:**



Some Glimpse of the Events :



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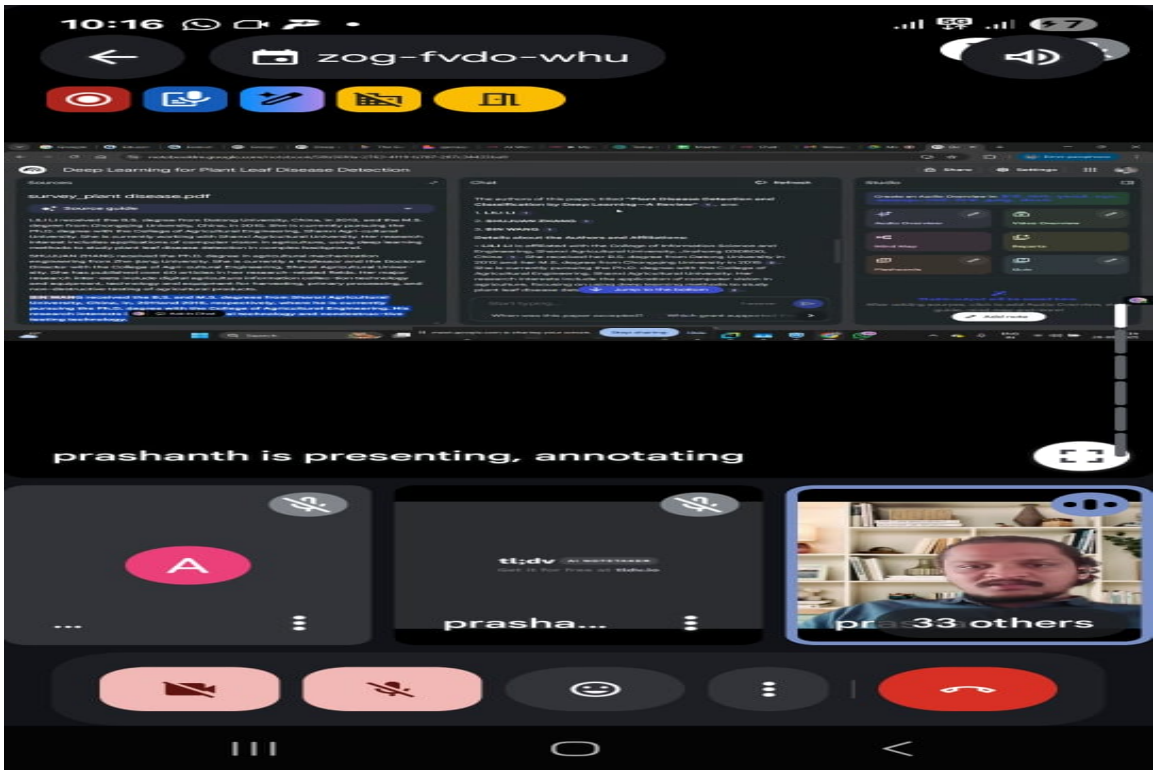
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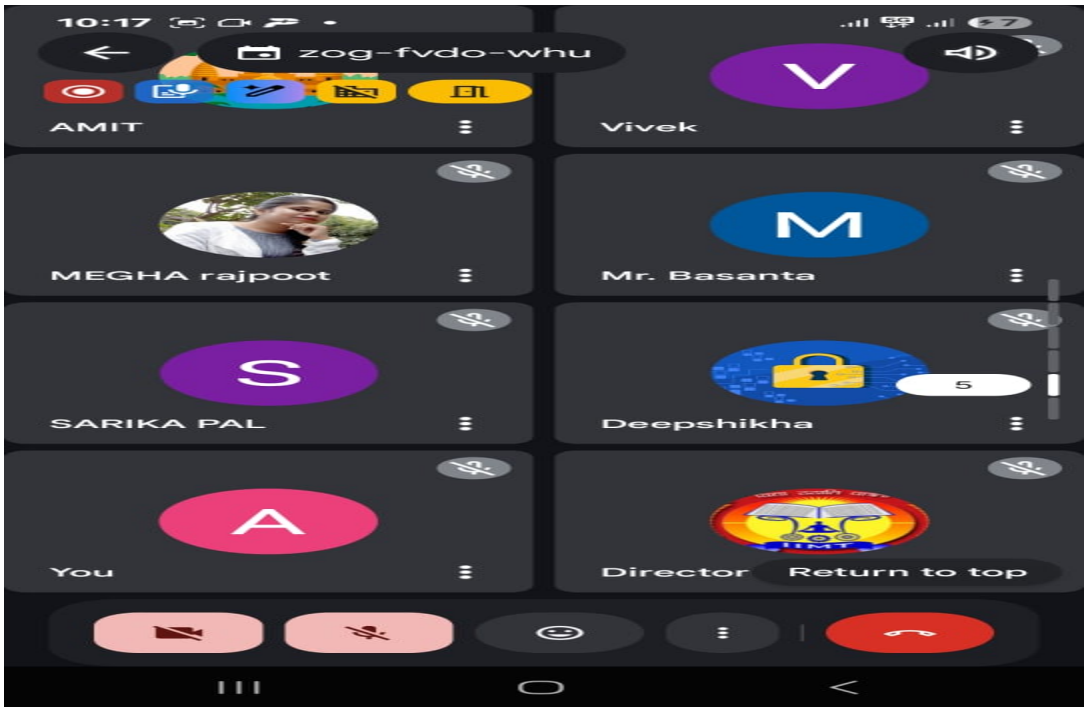
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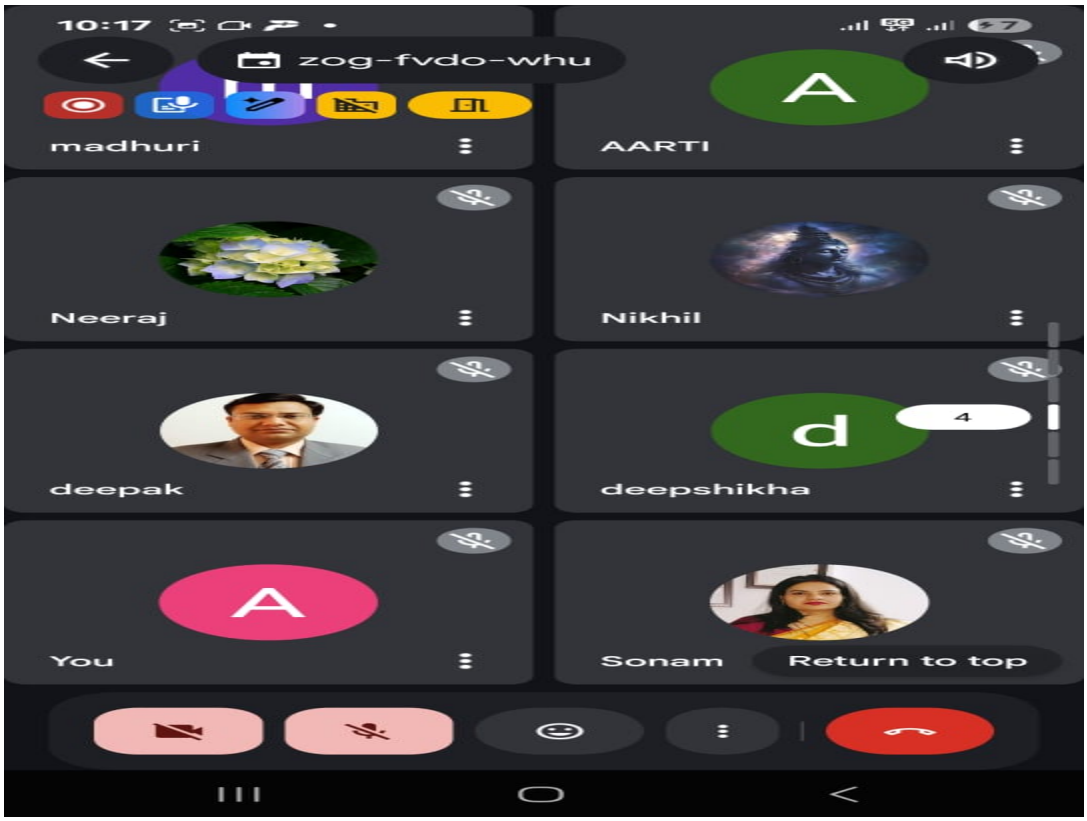
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