Guest Lecture Report on **"Exploring the future of Generative AI "**

Date of the event	26th April 2025
Event Title	Guest Lecture on "Exploring the future of Generative AI"
Organized by	Dept of Computer Science and Engineering MVJCE, Bangalore

The Department of Computer Science and Engineering at MVJ College of Engineering hosted a thought-provoking guest lecture titled "**Exploring the future of Generative AI**" on 26th April 2025 from **1:30 PM to 3:30 PM at the Rajalakshmi Seminar Hall, 240 students attended from CSE Department**. The session was conducted under the esteemed guidance of **Dr. Kiran Babu T S**, Head of the Department, CSE.

The event aimed to familiarize students with the evolving world of Generative Artificial Intelligence (Gen AI), its applications, current trends, and how it is reshaping industries. The session also highlighted career opportunities at Google and the skills required to thrive in the AI/ML field.

About the speaker:

Mr. Mithun Kumar is an accomplished engineering leader with over 18 years of experience, specializing in large-scale language model development, applied machine learning, and explainable AI.

He currently serves as an ML Engineering Manager at Google, where he focuses on applying machine learning at scale for Search and Maps teams.

Beyond his professional work, he contributes as an Expert Committee Member at IHFC (TIH of IIT Delhi), providing technical evaluation for AI and ML startups.

Mr. Mithun holds a Ph.D. in Natural Language Processing from BITS Pilani and has previously led projects and teams at renowned companies like Uber, Flipkart, and Amazon, making significant contributions to conversational AI, recommendation engines, and product data.

As an Adjunct Faculty member at BITS Pilani, he is also passionate about mentoring the next generation of engineers. Mr. Mithun is a certified ScrumMaster and has been recognized as an Edison Group Technical Expert for his groundbreaking work in technology.

A brief account of the session:

The session began with a warm welcome and an introduction to the esteemed guest by the hosts Divyashree R and Shwetha from VI semester. Mr. Mithun Kumar was received with great enthusiasm and applause by an eager audience comprising 4th and 6th-semester students and faculty members.

He commenced the lecture by simplifying complex Gen AI concepts, including Large Language Models (LLMs) and multimodal AI systems. His presentation included live demonstrations of AI generating text and visual content, giving students a first-hand look at its creative potential.

Mr. Mithun then offered a year-wise roadmap for engineering students—from foundational skill-building in the first year to internships and resume strategies in the final year. He spoke extensively about the kind of skills Google looks for, how resumes should be formatted for ATS systems, and the overall placement pipeline. His practical advice helped demystify the pathway to landing internships and jobs at top-tier companies like Google.

The entire session was filled with interactive questions, lively discussions, and enthusiastic engagement from the student audience.

Fig. 1. Mr. Mithun Kumar S R delivering insights on Generative AI and career paths in AI/ML.

Fig 2. Students attentively listening to the session on Gen AI, LLMs, and multimodal models.

Key Takeaways:

i. Strong fundamentals in LLMs and prompt engineering are essential for mastering Gen AI.

ii. Gen AI enables innovations across sectors like education, healthcare, media, and enterprise tech.

iii. A structured year-wise roadmap helps students build the right skills and projects for tech careers.

iv. Resume formatting and interview prep play a key role in securing roles at companies like Google.

v. Real-world AI tools support content creation, image synthesis, and natural language processing.

Audience Engagement:

Students actively interacted with the speaker, asking questions about Gen AI's future job market impact, responsible AI practices, and research opportunities. The speaker encouraged students to explore research, practical projects, and interdisciplinary learning as pathways to entering the field.

Future Scope:

As Generative AI continues to evolve, it will redefine how we interact with technology across industries. From personalized education to intelligent automation, the possibilities are vast and rapidly expanding. Students who build strong foundations in AI and stay updated with emerging

tools will be well-positioned for high-impact roles. With ongoing advancements in LLMs and multimodal AI, the future holds immense opportunities for innovation, research, and entrepreneurship.

Fig.3. Mr.Mithun Kumar along with the winners of NIC chatbot creation event.

Conclusion:

The guest lecture on "Generative AI – Unlocking the Future" proved to be a transformative learning experience for the students of MVJ College of Engineering. Mr. Mithun Kumar S R not only demystified the complex world of Gen AI but also provided a clear roadmap for students to build a successful career in the field of AI and Machine Learning. His insights on resume building, interview preparation, and the importance of continuous learning resonated deeply with the aspiring engineers. The session bridged the gap between academic learning and real-world applications, leaving students inspired, informed, and future ready. It marked a significant step towards equipping students with the knowledge and direction needed to thrive in the AI-driven world.

Prof. Sushma D.

Co-Ordinator of the Event

Assistant Professor

Computer Science and Engineering