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# GEN AI STUDY JAM

## EVENT REPORT

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### Introduction

The Gen AI Study Jam was a month-long event hosted by GDSC MJCET in May 2024. During this period, participants completed three pathways offered by Google: prompt design in Vertex AI, developing Gen AI apps with Gemini and Streamlit, and GenAI arcade game. To facilitate a smooth learning experience, two study jam sessions were conducted on the 6th and 8th of May. These sessions familiarized participants with the Google Cloud platform and provided guidance to complete the courses smoothly. The event offered an immersive experience, equipping participants with hands-on knowledge and skills in generative AI technologies.

### SESSION 1

The first interactive session of the Gen AI Study Jam, held on May 6, 2024, was a significant event that set the tone for the entire month-long program. Abdul Aleem, the Lead of GDSC MJCET, commenced the session by providing a brief but insightful overview of Generative AI (GenAI). He emphasized its burgeoning importance and the high demand for expertise in this cutting-edge field. Aleem also highlighted the incentives for participants, informing them that upon completing the course, they would earn skill badges, certificates, and even receive swags, adding an extra layer of motivation.

Following Aleem's introduction, Maryum Urooj, the Cloud Lead, took the stage to offer a comprehensive tour of the Google Cloud platform. She meticulously explained its various features and functionalities, demonstrating how to navigate and utilize the cloud console effectively. Her presentation ensured that participants were well-equipped to leverage the platform for their learning journey.

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Next, Rayyan Uddin, the Chief Representative of GDSC MJCET, delved into the realm of AI, providing foundational insights that paved the way for a deeper understanding of GenAI. He explained what prompts are and their significance in AI, detailing how to design effective prompts and the pivotal role of large language models (LLMs). His session was particularly engaging as he guided participants through the first module of the course, Prompt Design in Vertex AI.

During his walkthrough, he explained critical concepts such as one-shot prompting and hallucinations, illustrating how these elements can be effectively managed and imported into the cloud console. His explanations were clear and detailed, ensuring that participants could grasp these complex ideas.

The interactive nature of the session was evident as participants actively engaged, asking numerous questions and receiving thorough answers. This dynamic exchange not only clarified doubts but also enriched the learning experience for everyone involved. To wrap up the day, a competitive quiz was held, designed to reinforce the day's learning and add an element of fun and competition.

The session was a blend of informative presentations and hands-on demonstrations making it a comprehensive and engaging start to the Gen AI Study Jam.

## **SESSION 2**

The second interactive session of the Gen AI Study Jam, held on May 8, 2024, continued to build on the momentum established by the initial session. The session began with Rayyan Uddin, the Chief Representative of GDSC MJCET, delivering an insightful presentation on Gemini. He elaborated on the concept of APIs (Application Programming Interfaces) and introduced the cURL method for accessing APIs, providing a practical understanding of these essential tools.

He then delved into the mechanics of API calls, explaining the architecture of APIs, specifically focusing on RESTful APIs and GraphQL APIs. His clear and concise explanations laid a solid foundation for participants, preparing them for the hands-on aspects of the session.

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Moving forward, Rayyan introduced the next module of the course, "Getting Started with Vertex AI Gemini API with cURL." In this module, participants engaged in generating text from various sources. These sources included existing text, local files, Google Cloud storage images, and video files. They also explored two types of text requests: user-only and user + model, providing a comprehensive understanding of text generation using Vertex AI Gemini API.

To further enhance their practical skills, Rayyan gave a detailed walkthrough of Postman, a popular platform for testing and using APIs. This demonstration equipped participants with the knowledge to effectively utilize Postman in their future projects.

Throughout the session, the atmosphere was highly engaging, with participants actively participating in discussions, asking questions, and demonstrating a strong grasp of the material. The interactive quiz conducted towards the end of the session added an element of fun and competition, reinforcing the day's learning.

The session concluded on a high note, with participants providing positive feedback and expressing a clear appreciation for the knowledge and skills they had gained. The interactive format and comprehensive content contributed to significant learning outcomes, ensuring that participants felt well-equipped to continue their journey in the Gen AI Study Jam.

## **Conclusion**

The Gen AI Study Jam hosted by GDSC MJCET in May 2024 proved to be an invaluable learning experience for all participants. Through a series of well-structured and interactive sessions, students gained hands-on experience with advanced AI technologies, including Vertex AI, Gemini, and Streamlit. These technical proficiencies are crucial for careers in AI and machine learning, making students more competitive in the job market. The knowledge and skills acquired during this month-long event are directly applicable to the current demands of the tech industry.

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Moreover, the collaborative and interactive nature of the sessions fostered a deeper understanding of the material and encouraged active problem-solving and critical thinking. The certification and skill badges awarded upon completion also serve as tangible proof of their newly acquired expertise. Overall, the Gen AI Study Jam equipped students with both theoretical knowledge and practical skills, significantly enhancing their career prospects in the rapidly evolving field of artificial intelligence.

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