Seminar on Demystifying Generative AI: From Text to Images and Beyond

On February 27th, the Department of Computer Science at St. Joseph's University organized a seminar on "Demystifying Generative AI: From Text to Images and Beyond," featuring Mr. Gourav Sharma, an AWS Technical Account Manager, as the resource person. The session, held at the Conference Hall in the Magis Block, was coordinated by AWS Academy and witnessed the participation of 72 attendees. The event began with a warm introduction to the speaker by Ms. Kavya, setting the stage for an engaging and interactive discussion.

Mr. Sharma commenced the session by explaining the definition of Machine Learning (ML), the concept of an inflection point, and the key drivers of AI. He provided a historical perspective on Generative AI, tracing its origins back to the 1960s, and elaborated on fundamental AI concepts such as Machine Learning (ML), Deep Learning (DL), and Foundational Models. He further introduced essential Generative AI terminologies, including vectors, embeddings, Retrieval-Augmented Generation (RAG), and agentic systems, all of which play a crucial role in AI-driven applications. Emphasizing the importance of selecting the right AI model for different use cases, he detailed the various factors that influence model selection and implementation.

The seminar also addressed key considerations for scaling AI systems, including data quality, governance, and responsible AI practices, ensuring ethical and efficient AI deployment. Mr. Sharma provided insights into the diverse roles, skills, and job titles in the field of Generative AI, helping students understand potential career opportunities. He illustrated real-world applications of Generative AI, showcasing its impact across industries. Additionally, he outlined a structured approach to building AI-powered applications, emphasizing the importance of a solid foundational model, price-performant infrastructure, and the seamless integration of Generative AI into applications while maintaining flexibility for evolving AI technologies.

A discussion on the Generative AI Innovation Centre further introduced students to ongoing advancements and emerging opportunities in the field. The seminar concluded with an interactive Question & Answer session, where students engaged in meaningful discussions and gained deeper insights into the subject. Mr. Sharma also shared valuable life lessons, encouraging students to remain curious, adaptable, and open to continuous learning in the rapidly evolving AI landscape. The session proved to be an enriching experience, equipping attendees with a strong foundational understanding of Generative AI and its vast potential in shaping the future of technology.

For the Images of the Seminar on Demystifying Generative AI: From Text to Images and Beyond

, kindly refer to the Photo Gallery: **https://www.sju.edu.in/gallery/122**