APS College of Engineering

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Dept. of CSE & ISE

Alumni Interaction

Ms. Poonam Sampat

Data and AI Specialist, Microsoft, Singapore
(2002 CSE Passed out)

Topic :
Unlocking Creativity: The Power of Generative AI for Future Innovators

Tuesday, 09 July | 10:30 AM

Online - Google Meet

EVENT REPORT

Webinar

On

Unlocking Creativity: The Power of Generative AI for Future Innovators.

Organized by Department of CSE & ISE,

APS College of Engineering.

Venue: Placement Seminar Hall

APS College of Engineering

Date: 9th of July 2024

GLIMPSES OF WEBINAR:

Unlocking Creativity: The Power of Generative AI for Future Innovators.

No of students attended: 200

Classes and section – 6th SEM CSE and 6th SEM ISE

4th SEM CSE and 4th SEM ISE.

Details of resource person:

Ms. Poonam Sampat
Data & AI Specialist, Microsoft, Singapore.

Brief report of the workshop

Introduction:

According to McKinsey, Generative AI describes algorithms (such as ChatGPT) that can create new content, including audio, code, images, text, simulations, and videos.
 Generative AI Generative AI refers to a subset of AI techniques and models designed to generate new and original content. It involves training machine learning models to learn patterns and characteristics from existing data and then using that knowledge to create new data or content similar to the training data.
 There are multiple types of generative models and combining the positive attributes of each result in the ability to create even more powerful models.

Key Requirements:

Quality: Especially for applications that interact directly with users, having high-quality generation outputs is key.

Diversity: A good generative model captures the minority modes in its data distribution without sacrificing generation quality. This helps reduce undesired biases in the learned models.

Speed: Many interactive applications require fast generation, such as realtime image editing to allow use in content creation workflows.

Applications of Generative AI

Image Generation: can create new, realistic images.

Text Generation: can generate human-like text.

Music Generation: can compose original pieces of music.

Video Generation: can be applied to generate realistic videos or video frames.

Speech and Audio Generation: can synthesize human-like speech or other audio signals.

3D Object Generation: can create new 3D objects.

Data Augmentation: can be used to augment existing datasets by generating additional synthetic samples.
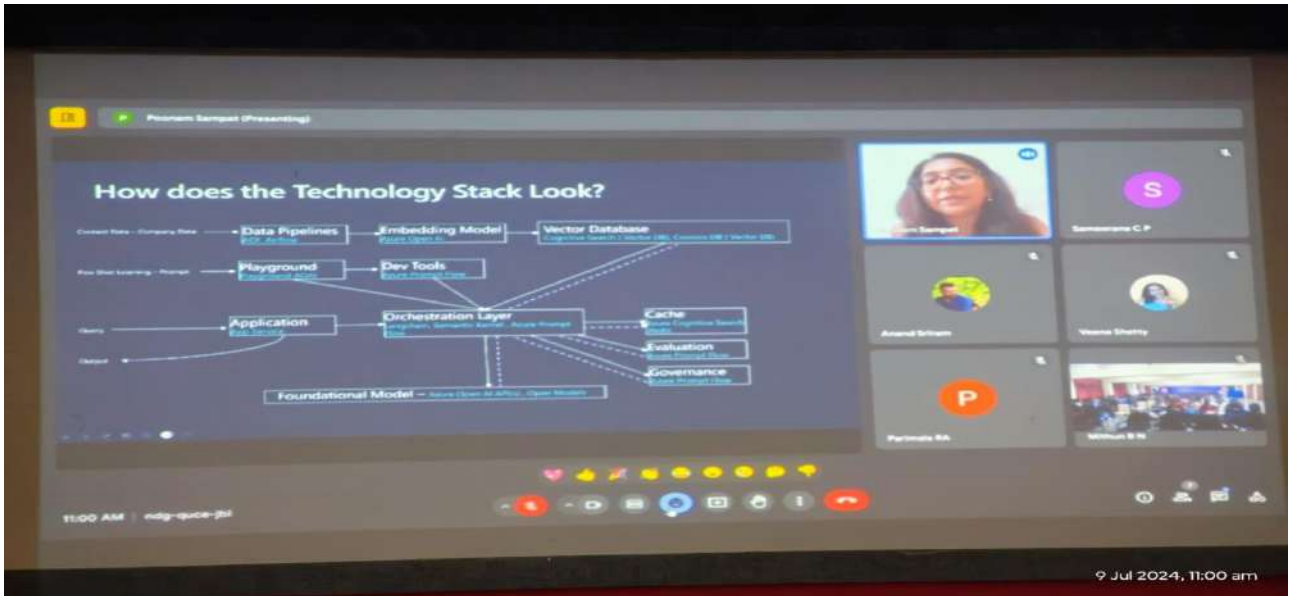
Programming: can be used for generate code.

Drug Discovery: can assist in the discovery and design of new pharmaceutical compounds.

Virtual Characters and Avatars: can be used in video games.

Design and Creativity Support: can assist designers and artists.

Fraud Detection: to detect anomalies and patterns indicative of fraudulent activities

Photos of the Event:

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