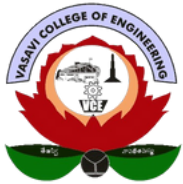


Department Of CSE



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Department Vision

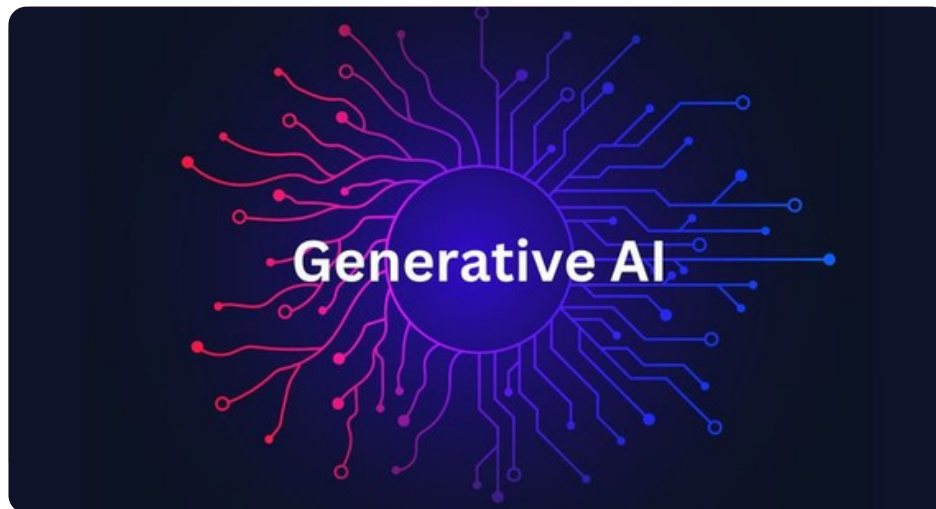
To be a center for academic excellence in the field of Computer Science and Engineering education to enable graduates to be ethical and competent professionals.

Department Mission

To enable students to develop logic and problem solving approach that will help build their careers in the innovative field of computing and provide creative solutions for the benefit of society.

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Generative AI continues to evolve rapidly, influencing various sectors and introducing new capabilities. Here are some of the most recent trends in generative AI:

1. Emergence of Multimodal AI Models

AI models are advancing beyond single-mode functions to integrate various data types, such as text, images, audio, and video. This multimodal approach enables more dynamic and intuitive AI applications. For instance, Google's Gemini model is designed to process and generate content across multiple modalities, enhancing the versatility of AI systems.

2. Rise of Small Language Models (SLMs)

While large language models (LLMs) have dominated the AI landscape, there's a growing interest in small language models. SLMs require less computational power and can be fine-tuned for specific tasks, making them more accessible and cost-effective for various applications. Microsoft's Phi-3 is an example of such a model, offering efficient performance with fewer parameters.

3. Integration of Generative AI in Video Production

Generative AI is making significant strides in video content creation. Adobe's Firefly Video Model, for example, allows users to generate videos from text prompts, specifying elements like camera angles and motion designs. This tool is designed to be commercially safe, respecting intellectual property rights, and is integrated with Adobe's Creative Cloud.



4.Simplification and Integration of AI Products

Companies are focusing on streamlining their AI offerings to enhance user accessibility and efficiency. OpenAI, for instance, plans to integrate its "o3" model with other technologies into a comprehensive GPT-5 model, aiming to simplify their product lineup and provide a more cohesive user experience.



5. Increased Adoption of AI in Professional Workflows

Professionals across various industries are increasingly incorporating AI tools into their daily workflows. Tools like ChatGPT, Claude, Gemini, and Copilot are being used to create educational content, manage teams, draft legal documents, and more, significantly enhancing efficiency and productivity.