



Department of Computer Science & Engineering

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Volume 4 - Issue 4 - 2025 (April - June)

Vision of the Institute

To be a nationally recognized institution of excellence in technical education and produce competent professionals capable of making a valuable contribution to society.

Mission of the Institute

- ◆ To promote academic growth by offering state-of-the-art undergraduate and postgraduate programs.
- ◆ To undertake collaborative projects which offer opportunities for interaction with academia and industry.
- ◆ To develop intellectually capable human potential who are creative, ethical and gifted leaders

Vision of the Department

To be a center of academic excellence in the field of computer science and engineering education.

Mission of the Department

- ◆ Strive for academic excellence in computer science and engineering through well designed course curriculum, effective classroom pedagogy and in-depth knowledge of Laboratory work
- ◆ Create computing centres of excellence in leading areas of computer science and engineering to provide exposure to the students on latest software tools and computing technologies.
- ◆ Attain these through continuous team work by group of committed faculty, transforming the computer science and engineering department as a leader in imparting computer science and engineering education and research .
- ◆ Transform under graduate engineering students into technically competent, socially responsible and ethical computer science and engineering professionals.
- ◆ Incubate, apply and spread innovative ideas by collaborating with relevant industries and R&D labs through focused research group.

SORA — Revolutionizing AI Video Generation (2024 Innovation)

In 2024, **OpenAI** unveiled a groundbreaking technology called **Sora**, an **AI model capable of generating high-quality, realistic videos from simple text prompts**. Sora can bring written stories or descriptions to life, creating motion visuals that are detailed, photorealistic, and narratively consistent.

Why is Sora a Game-Changer?

- **Visual Storytelling:** Turn ideas into moving visuals instantly—ideal for education, entertainment, simulation, and marketing.
- **No Camera Needed:** Makes filmmaking and content creation accessible to everyone.
- **Time-Saving for Developers:** Game designers and animators can prototype environments in seconds.
- **Creative Expansion:** Artists and storytellers can explore new visual dimensions.
- **Hyper-Realistic Videos:** Generates lifelike characters and environments that look like real footage.
- **Surreal & Creative Scenes:** Creates imaginative visuals, blending fantasy with realism.
- **Accessible Content Creation:** Lowers barriers for filmmakers, marketers, and creators.
- **Fast Prototyping:** Speeds up animation, game design, and storytelling workflows.
- **Versatile Applications:** Useful for education, advertising, entertainment, and simulation.

