

Computer Vision Laboratory

The Computer Vision Lab in the Department of Electronics and Communication Engineering stands as a hub of innovation and exploration, offering a conducive environment for students and research scholars to excel in the field of computer vision. It's well-equipped with personal computers and state-of-the-art workstations that provide the necessary infrastructure for conducting research, implementing algorithms, and building practical applications.

The lab serves as a platform for collaboration and mentorship with academicians, and industry professionals. Ph.D., M. Tech, and B. Tech Students have the opportunity to work closely with experienced researchers and faculty members, benefiting from their guidance and expertise. This exposure to real-world projects and research work in the field of computer vision, signal processing, and digital design enhances students' critical thinking, problem-solving abilities, and overall academic growth.

Additionally, the lab fosters a vibrant community of like-minded individuals, promoting knowledge exchange, and brainstorming sessions. Presently, two research projects are ongoing in the field of drivable area detection for unstructured environments and the development of a framework for imaging, restoring, and archiving inscriptions, and manuscripts. Both projects are sponsored by the IIT Hyderabad and DST. Three research projects have been successfully completed during 2005-2015 with a research focus on surveillance application DCE-NRB, the development of an OGC standards-based sensor network for intelligent traffic management, and managing intangible cultural assets through ontological interlinking. Eleven Ph.D. students and more than twenty M. Tech students have successfully defended their thesis through the lab. More than sixty SCI and Scopus journal publications of repute have been accepted through the research work done in the lab.

The lab provides access to a range of software libraries, frameworks, and open-source tools like ANSYS, python, and MATLAB enabling students to build practical applications and contribute to ongoing research projects. The lab acts as a collaborative environment, encouraging knowledge sharing and teamwork among individuals with a shared interest in computer vision. By offering access to powerful computing resources and advanced equipment, the lab facilitates the development of robust algorithms and applications that can revolutionize various industries. As

computer vision continues to shape our world, the Computer Vision Lab plays a pivotal role in empowering students and scholars to push the boundaries of this transformative field.



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COMPUTER VISION LABORATORY

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