



**J.B. INSTITUTE OF ENGINEERING AND TECHNOLOGY
(UGC AUTONOMOUS)**

(Accredited by NBA&NAAC, Approved by AICTE & Permanently Affiliated to JNTUH Hyderabad)

Yenkapally (Vi), Moinabad (M). P.O. Himayat Nagar, RR District, Hyderabad 500075

Department of Electronics and Computer Engineering



**Value-Added Course on Computer Vision
Report**

Module Number: 01

Key Topics Covered:

Introduction to Computer Vision and Applications and Industry use cases

Resource Person(s): Dr Narsappa Reddy and Dr.Md. Asif

Date and Time of Session: 02.8.2025 and 1.30pm to 3.30pm

Duration: 2hours

Mode of Delivery: Face to Face

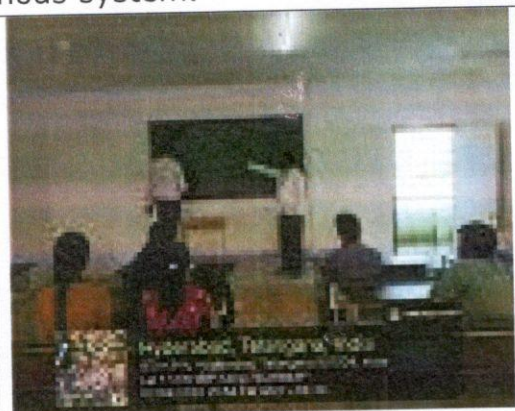
Target Audience: 2nd, 3rd and 4th year students

Number of Participants: 32

Venue: A406 Classroom

Objectives of the Course Module:

- To equip students with knowledge of fundamental and advanced concepts in Computer Vision.
- To provide hands-on training in OpenCV, Python, and Deep Learning-based image analysis.
- To enable students to develop applications for real-world image/video Processing problems.
- To foster critical thinking and innovation in the application of computer vision techniques across diverse domains such as healthcare, surveillance, and autonomous system.



Session conducted on a Value-Added Course on Computer Vision for 2nd, 3rd and 4th year students of ECM on 02.8.2025



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Expected Learning Outcomes of the Module 1 :

By the end of the module, students could:

- Understand and implement computer vision algorithms
- Use OpenCV for real-time image/video analysis
- Apply CNNs for classification and detection tasks
- Develop and deploy prototype applications

Summary:

Students appreciated the practical, project-based learning approach; clear explanations with industry relevance and real-time demonstrations and coding practice

Signature of the HoD-ECM

Head of the Department
Dept. of ECM

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