



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: 02

Key Topics Covered:

Setting up environment with OpenCV and Python Image basics loading, displaying, saving

Resource Person(s): Mrs. Anusha Manda and Mr. Bheemana Bhuvan

Date and Time of Session: 20.9.2025 and 1.30pm to 3.30pm

Duration: 2 hours

Mode of Delivery: Face to Face and Video Lecture Presentation

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

Number of Participants: 65

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.



Session conducted on a Value-Added Course on Computer Vision for 2nd, 3rd and 4th year students of ECM on 20.9.2025



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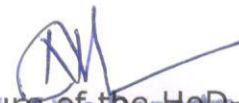
Expected Learning Outcomes of the Module : 2

By the end of the module, students could:

- Apply CNNs for classification and detection tasks
- Develop and deploy prototype applications
- Understand what computer vision is and how it is used in real-world industries
- Learn to install OpenCV and perform basic image operations like loading, displaying, and saving

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
Dept. of ECM

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