

Suggested Computer Vision projects. Each group needs to submit a single topic to work with.

1. Object Tracking: Create a simple object tracking system using methods like optical flow or mean-shift tracking.
2. Panorama Stitching: Implement an algorithm to stitch multiple images together to create a panoramic view.
3. Image Registration: Work on image registration techniques to align and overlay images, useful in medical imaging or remote sensing.
4. Camera Calibration: Develop a camera calibration tool to calibrate camera parameters like intrinsic and extrinsic matrices.
5. Shape Recognition: Create a system for shape recognition using contour-based methods and shape descriptors.
6. Texture Analysis: Explore techniques for texture analysis and classification in images.
7. Gesture Recognition: • Implement a gesture recognition system using template matching or rule-based approaches.
8. Facial Feature Detection: • Build a system that can detect facial features like eyes, nose, and mouth using traditional computer vision methods.
9. OCR (Optical Character Recognition): • Develop a basic OCR system for recognizing printed or handwritten text in images.