



Phone : +91 9790238391

Mail: academiccollegeprojects@gmail.com

Website : academiccollegeprojects.com

Twitter: <https://twitter.com/BestAcademicPRO>

OpenCV Projects aims to detect simple and complex objects. OpenCV is also known as Image Processing Library. Open CV Library contains a collection of c and c++ to support popular image processing and computer vision algorithms. OpenCV supports many concepts and algorithms for easy access. OpenCV Projects is used speeding up the performance of Intel Performance Primitives. Basic Goal of OpenCV Projects is to less overhead and increase optimization.

We assist research Scholars in implementing **OpenCV Projects** with best Customer Support. For more details contact us: +91 9790238391.

Requirements:

- **Platform:** Linux, LinuxPPC, Unix, Windows XP/2000/7, 8, Mac OS
- **Disk Space:** 4MB

Applications:

- Motion Understanding.
- Mobile Robotics.
- Augmented Reality.
- Facial Recognition System.
- Human Computer Interaction.
- Motion Tracking.
- Gesture Recognition.

Website: <https://academiccollegeprojects.com> Mail: academiccollegeprojects@gmail.com

Phone Number: +91 9790238391 Google+ <https://plus.google.com/104643943617095075238>

Link to **OpenCV Projects** : <https://academiccollegeprojects.com/opencv-projects>

Methods:

- Smoothing.
- Morphological Operations.
- Image Pyramids.
- Filtering.
- Thresholding Operations.
- Canny Edge Detector.

Needs & Uses:

- Tool supports larger applications of image processing to solve computational challenging problems
- Projects are demonstrated with high GUI tools and simple display functions which will provide effortless instrument to process images and video

Sample OpenCV Projects Topics.

SI	IEEE OpenCV Project Titles.
1	Energy-Efficient Acceleration of OpenCV Saliency Computation Using Soft Vector Processors.
2	Panoramic image mosaic based on SURF algorithm using OpenCV.
3	Real time finger tracking and contour detection for gesture recognition using OpenCV.
4	A system on chip based stereo vision approach for disparity measurement.
5	Computer vision based vehicle detection for toll collection system using embedded Linux.

6	Cloud images capturing system for solar power level prediction.
7	Hardware/software co-design of video processing applications on a reconfigurable platform.
8	Using Image Processing on MRI Scans.
9	Visual surveillance using absolute difference motion detection.
10	Object tracking by PI control and image processing on embedded systems.
11	SuBSENSE: A Universal Change Detection Method With Local Adaptive Sensitivity.
12	A Self-Adjusting Approach to Change Detection Based on Background Word Consensus.
13	Uncrowded Window Inspired Ultra High Definition Television Display.
14	A Fast and Accurate Unconstrained Face Detector.
15	Evaluation and Acceleration of High-Throughput Fixed-Point Object Detection on FPGAs.
16	A low-cost stereoscopic μ P-based vision system for industrial light objects grasping.
17	Evolution of Programs for Segmentation of Microscopic Images.
18	Identification of authors of documents based on offline signature recognition.
19	A VLIW-Vector co-processor design for accelerating Basic Linear Algebraic Operations in OpenCV.
20	Low cost smart security camera with night vision capability using Raspberry Pi and OpenCV.
21	Image stitching algorithm research based on OpenCV.
22	Multiple object detection using OpenCV on an embedded platform.
23	Traffic sign detection and recognition using OpenCV.
24	Training detectors and recognizers in Python and OpenCV.
25	A comparative study between LBP and Haar-like features for Face Detection using OpenCV.
26	Geometry learning tool for elementary school using augmented reality.
27	A real-time stereo rectification of high definition image stream using GPU.
28	Metadata Extraction for Calculating Object Perimeter in Images.
29	Implementation of vision based intelligent home automation and security system.
30	Design of positioning system for indoor mobile multi-robot platform

	based on image features.
31	Traffic Surveillance System Based on Computer Vision and its Application.
32	Traffic speed sign recognition with RFID support.
33	Development of communication support application with blinks.
34	The development of a multi-piecewise-based thinning description method.
35	Detection of eye motion direction in real time video image.
36	Person identification by face recognition on portable device for teaching-aid system: Preliminary report.
37	Real-Time Dynamic Hand Gesture Recognition.
38	Real-time gesture recognition and robot control through blob tracking.
39	Proposal of eye-gaze recognize method for input interface without infra-red ray equipment.
40	Android-based driving assistant for lane detection and departure warning.
41	ROS-based remote controlled robotic arm workcell.
42	A lip geometry approach for feature-fusion based audio-visual speech recognition.
43	Advanced license plate recognition system for car parking.
44	Using JSON to manage communication between services in the Internet of Things.
45	A robust vision system for a UAV transporting cargoes between moving platforms.
46	Human hand image analysis extracting finger coordinates and axial vectors: Finger axis detection using blob extraction and line fitting.
47	Dual PTZ cameras approach for security face detection.
48	Simul-A2: Agent-based simulator for evaluate ADA systems.
49	Implementation of face recognition algorithm for biometrics based time attendance system.
50	Responsive, adaptive and user personalized rendering on mobile browsers.