

## **MATLAB-2015 Projects for ECE**

- HVS-1945.** Unique Id Based Automatic Car Parking System and Time Based Billing with CC Camera Image Capture Technique Along With SMS Feedback. **(IEEE-2014)**
- HVS-697.** Electronic Toll Collection System for Efficient Traffic Control System using ANPR. **(IEEE-2014)**
- HVS-511.** Implementation of sixth technology on computer mouse operation using MATLAB.
- HVS-1968.** Controlling Of On-Screen Key Board Using Smart Phone and Android.
- HVS-1970.** Face Detection And Recognition Based Vehicle Accessing With SMS And GPS 2GB/MMC/SD Card Data Logging.
- HVS-1976.** RFID And MATLAB Based Attendance Monitoring With CCTV Camera Image Capture With Date And Time.
- HVS-1814.** Implementation of Cognitive and Virtual Mouse Pointer Control. **(IEEE-2014)**
- HVS-1854.** Video Image Enhancement and Object Tracking. **(IEEE-2014)**
- HVS-1977.** Criminal identification system in bus using face recognition system and alerting through FM radio signals.
- HVS-1842.** Real Time Vision Based Security System. **(IEEE-2014)**
- HVS-1950.** Developing Of Virtual Keypad With MATLAB Based Image Processing.
- HVS-1829.** Multiple Moving Object Detection and Tracking using Harr Features with Smart Video Surveillance System. **(IEEE-2014)**
- HVS-1827.** Moving Object Detection and Tracking in Surveillance System. **(IEEE-2014)**
- HVS-506.** Image Processing Based Fire detection and automatic alerting system with buzzer using MATLAB.
- HVS-544.** Implementation of full-duplex communication by live video streaming to detect the fire based on image processing and continues robot controlling.
- HVS-1961.** Android and MATLAB Based Sixth Sense Technology Implementation on Pc Mouse Operation.
- HVS-1877.** A Motion-Tracking Ultrasonic Sensor Array for Behavioral Monitoring And Sensors Based SMS Alerts
- HVS-659.** MATLAB Based Electronic Eye Dial-up.

- HVS-500.** Adding watermark to original image and detection using Discrete cosine transform using MATLAB image processing.
- HVS-526.** CAN protocol implementation in automobile industry using wireless communication MATLAB.
- HVS-541.** Finger print recognition system with user photo display based MATLAB.
- HVS-517.** GSM mobile communication implementation using ARM7 and MATLAB signal processing.
- HVS-1974.** Embedded System and MATLAB Based Security System with Face Detection and Recognition System.
- HVS-1973.** Face Detection and Recognition System with MATLAB.
- HVS-1975.** MATLAB Image Processing Based Toll Rate Determination System Based Tire Size.
- HVS-1972.** Quick Detection of Brain Tumours: A Bounding Box Method Using Symmetry.
- HVS-1978.** Face recognition system based door unlocking system.
- HVS-513.** Development of color sensor using wireless camera based on MATLAB image processing.
- HVS-533.** Security integrated system based on wireless access protocol for industrial appliances using MATLAB.
- HVS-523.** MATLAB and zigbee based wearable physiological parameters monitoring system.
- HVS-519.** Developing of intelligent train security system based wireless communication in MATLAB and ARM7 with zigbee.
- HVS-518.** The water quality monitoring system based on wireless sensor network and plotting using MATLAB signal processing.
- HVS-516.** Development of logical analyzer based on MATLAB signal processing using ARM7 controller.
- HVS-501.** Heart beat signal monitoring on PC based on MATLAB signal processing.
- HVS-502.** MATLAB based automatic Image Resizing based on seam carving.
- HVS-507.** GUI Controlled Robot and Audio Video capturing using MATLAB.

- HVS-508.** Development of MATLAB based industrial/home device controlling with intensity based on wireless communication.
- HVS-509.** Implementing of wireless sensor network using MATLAB and zigbee.
- HVS-510.** Wireless communication based SCADA system implementation using zigbee based on MATLAB.
- HVS-512.** Transmitting of images through wireless zigbee based on MATLAB image processing.
- HVS-514.** Plotting of temperature using MATLAB wireless communication.
- HVS-515.** Plotting and analysis of industrial parameters based MATLAB signal processing using ARM7 controller interfacing with zigbee
- HVS-521.** Real-time drowsiness detection system for an intelligent vehicle based on image processing of vehicle driving path.
- HVS-522.** Design and development of image processing based hand-talk.
- HVS-524.** MATLAB image processing based train security system.
- HVS-525.** MATLAB wireless communication based flight parameters monitoring system.
- HVS-530.** Hall-effect sensor based motor speed plotting using MATLAB.
- HVS-538.** Developing smart wireless temperature data logger.
- HVS-542.** MEMS accelerometer based patient body position plotting using MATLAB.
- HVS-500.** Adding watermark to original image and detection using Discrete cosine transform using MATLAB image processing.
- HVS-505.** MATLAB GUI based Home/Industrial Automation.
- HVS-520.** Development of automated system in vehicles to prevent signal jumping.
- HVS-527.** Unified power factor control system with capacitive bank filter and analysis using MATLAB.
- HVS-528.** MATLAB based power theft monitoring and alerting at local substation with address.
- HVS-529.** Power grid monitoring and controlling using MATLAB GUI.
- HVS-531.** Frequency locked loop (FLL) motor speed monitoring and controlling using MATLAB.

**HVS-532.** Energy meter data logging and plotting using MATLAB.

**HVS-534.** Developing of Bluetooth energy meter using MATLAB.

**HVS-535.** Method of measuring power quality and device controlling using MATLAB.

**HVS-536.** Electrical SCADA implementation using wireless Bluetooth based MATLAB.

**HVS-537.** DC motor speed controlling and monitoring with manual RPM input using MATLAB GUI.

**HVS-539.** Speed and direction controlling of dual stepper motor using MATLAB GUI.

**HVS-540.** Energy meter data logging into the PC using wireless zigbee and MATLAB.

**HVS-541.** Finger print recognition system with user photo display based MATLAB.

**HVS-543.** Selective device switching based hand gestures recognition using MATLAB image processing.