

M-Tech Embedded IEEE (2015-2014) Projects

HVS-900. Minimum-Time Trajectory Planning and Control of a Pick-and-Place Five-Bar Parallel Robot **(IEEE-2015)**

HVS-901. Autonomous Pose Detection and Alignment of Suction Modules of a Biped Wall-Climbing Robot. **(IEEE-2015)**

HVS-902. Design of a Direct-Driven Linear Actuator for a High-Speed Quadruped Robot, Cheataroid-I. **(IEEE-2015)**

HVS-903. Manipulator Design and Operation of a Six-Degree-of-Freedom Handheld Tremor-Canceling Microsurgical Instrument. **(IEEE-2015)**

HVS-904. Cooperative Path Planning for Target Tracking in Urban Environments Using Unmanned Air and Ground Vehicles. **(IEEE-2015)**

HVS-905. Vehicle Color Classification Under Different Lighting Conditions Through Color Correction. **(IEEE-2015)**

HVS-906. A Low-Power Wireless Sensor for Online Ambient Monitoring. **(IEEE-2015)**

HVS-907. Implementing Intelligent Traffic Control System for Congestion Control, Ambulance Clearance, and Stolen Vehicle Detection. **(IEEE-2015)**

HVS-909. Improved Ultrasonic Phased Array Based on Encoded Transmissions for Obstacle Detection. **(IEEE-2015)**

HVS-910. A Zigbee-Based Animal Health Monitoring System. **(IEEE-2015)**

HVS-911. WSN-Based Smart Sensors and Actuator for Power Management in Intelligent Buildings. **(IEEE-2015)**

HVS-912. Long-Range Magnetic Tracking System. **(IEEE-2015)**

HVS-913. A Phase-Based Technique for Localization of UHF-RFID Tags Moving on a Conveyor Belt: Performance Analysis and Test-Case Measurements. **(IEEE-2015)**

HVS-933. Raspberry pi based liquid flow monitoring and control. **(IEEE-2014)**

HVS-749. Automated electric meter reading and monitoring system using ZigBee-integrated raspberry Pi single board computer via Modbus. **(IEEE-2014)**

HVS-748. Raspberry Pi as a Wireless Sensor node: Performances and constraints. **(IEEE-2014)**

- HVS-747.** Raspberry Pi based interactive home automation system through E-mail.
(IEEE-2014)
- HVS-754.** Using of Raspberry Pi for data acquisition from biochemical analyzers.
(IEEE-2014)
- HVS-927.** Development of embedded Web Server on Raspberry Pi/ Banana Pi processor.
(IEEE-2014)
- HVS-928.** Home Monitoring System with Motion Detection and Email Alerts using Raspberry Pi/ Banana Pi processor. (IEEE-2014)
- HVS-828.** Design of new Embedded speaking Robot for Older adult's medication management in the home using Linux single board computer Raspberry Pi/ Banana Pi Processor. (IEEE-2014)
- HVS-930.** Home Automation using Raspberry Pi/ Banana Pi processor (ARM11) with Capacitive Touch Screen. (IEEE-2014)
- HVS-799.** Embedded Linux based Automatic Door opening and Room Illumination Control system using sensors and minicomputer Banana Pi processor. (IEEE-2014)
- HVS-766.** Raspberry Pi based fire detection based on image processing and alerting system. (IEEE-2014)
- HVS-767.** Wi-Fi based Raspberry Pi home. (IEEE-2014)
- HVS-768.** Wireless sensor network for real-time air pollution monitoring using Raspberry Pi. (IEEE-2014)
- HVS-769.** Wireless Machine-to-Machine Healthcare Solution Using Android Mobile Devices in Global Networks using Raspberry Pi. (IEEE-2014)
- HVS-772.** Full-duplex communication by live video streaming to detect the fire based on image processing and continues robot Implementation using Raspberry Pi. (IEEE-2014)
- HVS-780.** Pi Concealed Alarm using Raspberry Pi. (IEEE-2014)
- HVS-779.** Raspberry Pi based domesticated robot. (IEEE-2014)
- HVS-775.** Pi-Robot implementation using Raspberry Pi controlling through MATLAB. (IEEE-2014)
- HVS-778.** Defibrillator developing using Raspberry. (IEEE-2014)
- HVS-777.** Object sorting implementation using Raspberry Pi. (IEEE-2014)

HVS-890. Location-Aware and Safer Cards: Enhancing RFID Security and Privacy via Location Sensing using Raspberry Pi/ Banana Pi. **(IEEE-2014)**

HVS-892. Embedded LINUX Raspberry Pi/ Banana Pi and Android based voice controlled notice board with Scrolling LED display. **(IEEE-2014)**

HVS-898. An OTP generation for Password protected GSM based Device Control using Minicomputer Raspberry Pi/ Banana Pi. **(IEEE-2014)**

HVS-895. Raspberry Pi/ Banana Pi processor based ATM terminal design for Fingerprint Combination for Privacy Protection. **(IEEE-2014)**

HVS-555. Android Based Home Automation Using Raspberry Pi. **(IEEE-2014)**

HVS-545. 2D Plantar Pressure and Motion Mapping Using a Wearable Device for Stroke Patients. **(IEEE-2014)**

HVS-547. A Distributed Maximum Power Point Control For Efficiency Enhancement Of Photovoltaic System. **(IEEE-2014)**

HVS-546. A Cardiac Telemonitoring System. **(IEEE-2014)**

HVS-548. Design and Implementation of Automatic Security Alert System Using GSM Network. **(IEEE-2014)**

HVS-550. Location-aware and safer cards: enhancing RFID security and privacy via location sensing. **(IEEE-2014)**

HVS-549. A Realtime Device for Human Interaction with Computer. **(IEEE-2014)**

HVS-551. A Utility Interactive Electricity Generation Schemes with Renewable Resources. **(IEEE-2014)**

HVS-552. An Intelligent Energy Metering Using Zigbee and Arm7 with MATLAB. **(IEEE-2014)**

HVS-553. An IVRS System for Student Information. **(IEEE-2014)**

HVS-554. Analysis and Practical Considerations in Implementing Multiple Transmitters for Wireless Power Transfer via Coupled Magnetic Resonance. **(IEEE-2014)**

HVS-556. Android Help Alert System using Speech Recognition. **(IEEE-2014)**

HVS-557. An-Online-Voting-System-Using-Biometric-Fingerprint-and-Aadhaar-Card. **(IEEE-2014)**

HVS-558. Application of Image Processing Techniques for the Extraction of Vehicle Number Plates over ARM target Board. **(IEEE-2014)**

HVS-559. Arm Based Automated Wireless Greenhouse Climate Management System Using Zigbee Technology. **(IEEE-2014)**

HVS-560. Automated Irrigation System Using a Wireless Sensor Network and GPRS Module. **(IEEE-2014)**

HVS-561. Automatic License Plate Recognition (ALPR): A State-of-the-Art Review. **(IEEE-2014)**

HVS-562. Automatic Traffic Congestion Detection and Alert System. **(IEEE-2014)**

HVS-563. Automation in drinking water supply distributed system and testing of water. **(IEEE-2014)**

HVS-564. Autonomous Vehicle Navigation and Mapping System. **(IEEE-2014)**

HVS-565. Biometric Based Attendance Management System Using Wi-Fi. **(IEEE-2014)**

HVS-566. Brain Wave Based Wireless Device Control. **(IEEE-2014)**

HVS-567. C-Leakage Cylinder LPG Gas Leakage Detection for Home Safety. **(IEEE-2014)**

HVS-568. Controlling Traffic Jam using Feature Detection. **(IEEE-2014)**

HVS-569. Design and Fabrication of Coconut Harvesting Robot: COCOBOT. **(IEEE-2014)**

HVS-570. Design and Implementation of ARM Microcontroller Based Vehicle Monitoring and Controlling System Using Controller Area Network (CAN) Protocol. **(IEEE-2014)**

HVS-681. Design and Implementation of Piezo Resistive MEMS Pressure Sensor for Spiro Meter Application. **(IEEE-2014)**

HVS-682. Design and Implementation of vehicle tracking system using GPS-GSM/GPRS Technology and smart phone application. **(IEEE-2014)**

HVS-683. Design of an Automatic Water Level Controller Using Mercury Float Switch. **(IEEE-2014)**

HVS-684. Design of ARM based Enhanced Event Data Recorder & Evidence Collecting System. **(IEEE-2014)**

HVS-685. Design of Flight and Engine Warnings and Parameter Display System. **(IEEE-2014)**

HVS-686. Design of Location-Aware Selective Unlocking Mechanism via RFID and GPS. **(IEEE-2014)**

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Ph: +91 9603140482

Ameerpet: #A-7, 2nd floor, Eureka court, Above KS bakers, Ameerpet, Hyderabad – 73.

Miyapur 'X' Roads: #201, Meher Plaza, Miyapur 'X' Roads, Hyderabad - 49.

Dilsukhnagar: #F-8, 1st floor, Sreemaan Rama Towers, Opp:Kalanikethan, Chaitanyapuri, Hyderabad - 62.

- HVS-687.** Design of Wireless Bio Medical Sensor Network for Health Application. (IEEE-2014)
- HVS-688.** Design-and-Development-of-Computer (MATLAB) -Operated-Car-with-Live-Video. (IEEE-2014)
- HVS-689.** Designing and Simulation of an Automated Irrigation Management System Deployed by using Wireless Sensor Networks (WSN). (IEEE-2014)
- HVS-690.** Determination of GSM Signal Strength Level in Some Selected Location. (IEEE-2014)
- HVS-691.** Development of Solar Dryer Incorporated With Evacuated Tube Collector. (IEEE-2014)
- HVS-692.** Development of Automatic Vehicle Plate Detection System. (IEEE-2014)
- HVS-693.** Droid Ei – An Approach to Android Electronic Integration. (IEEE-2014)
- HVS-695.** Dynamic Authentication Using Android Accelerometer Sensor. (IEEE-2014)
- HVS-694.** Dual Application Wind Mill for ON-Grid and OFF-Grid Applications. (IEEE-2014)
- HVS-696.** Effectiveness of current methods for determining the nutrient level of soil ideal for crop cultivation and an approach to implement new technologies to test the soil. (IEEE-2014)
- HVS-698.** Energy Efficient Automized Botteling Plant Using Plc And Scada With Speed Variable Conveyor Assembly. (IEEE-2014)
- HVS-697.** Electronic Toll Collection System for Efficient Traffic Control System using ANPR. (IEEE-2014)
- HVS-699.** EOG Based Low Cost Device for Controlling Home Appliances. (IEEE-2014)
- HVS-1800.** Extended Wireless Monitoring Through Intelligent Hybrid Energy Supply. (IEEE-2014)
- HVS-1801.** Fingerprint Recognition Based Electronic Voting Machine. (IEEE-2014)
- HVS-1802.** Fire Accident Avoidance System in Trains Using Gsm Technology. (IEEE-2014)
- HVS-1803.** Freight Fuel Level detection and Overload Alarming System with Safety Notification via GSM. (IEEE-2014)

HVS-1804. Green cooperative communication network using renewable energy sources. (IEEE-2014)

HVS-1805. GSM based electronic voting machine using touch screen. (IEEE-2014)

HVS-1806. GSM Based Home Automation System Using Arduino Shield. (IEEE-2014)

HVS-1807. Guide Systems for the Blind Pedestrian Positioning and Artificial Vision. (IEEE-2014)

HVS-1808. Handwritten Digit & Character for Interactive Printing Using Digital Pen. (IEEE-2014)

HVS-1809. High Temperature Wireless Sensor Network Monitoring System for Coalmine Fire. (IEEE-2014)

HVS-1810. High Way Vehicle Speed Control & Automatic Breaking System. (IEEE-2014)

HVS-1811. Home Appliances Control System Based On Android Smartphone. (IEEE-2014)

HVS-1812. Human Computer Interaction by Gesture Recognition. (IEEE-2014)

HVS-1813. Implementation of Advanced Communication Aid for People with Severe Speech Impairment. (IEEE-2014)

HVS-1814. Implementation of Cognitive and Virtual Mouse Pointer Control. (IEEE-2014)

HVS-1815. Implementation of GSM Based Water Meter A Step towards Automation in Billing System. (IEEE-2014)

HVS-1816. Implementation of Sensor Network using Efficient CAN Interface. (IEEE-2014)

HVS-1817. Industry oriented smart and automated process control system. (IEEE-2014)

HVS-1818. Innovative Concept of Hybrid Vehicle. (IEEE-2014)

HVS-1819. Innovative Multi Directional Wind Turbine. (IEEE-2014)

HVS-1820. Integration and Distribution of Renewable Sources in DC Micro Grid With Energy Storage System. (IEEE-2014)

HVS-1821. Intelligent accident identification and location display system using ARM. (IEEE-2014)

HVS-1823. Maximum Power Point Tracker for Sub watt Photovoltaic Module. **(IEEE-2014)**

HVS-1822. Low Cost Robotic Hand Gloves. **(IEEE-2014)**

HVS-1824. Maximum Power Point Tracking of Photo Voltaic Based –Induction Motor Drive Systems. **(IEEE-2014)**

HVS-1825. Mesh Networking Based Solution for Smart Metering. **(IEEE-2014)**

HVS-1826. Microcontroller Based Heart Beat Monitoring and Alerting System. **(IEEE-2014)**

HVS-1827. Moving Object Detection and Tracking In Surveillance System. **(IEEE-2014)**

HVS-1828. Multi-Objective Optimization for Sizing of Solar-Wind Based Hybrid Power System. **(IEEE-2014)**

HVS-1829. Multiple Moving Object Detection and Tracking using Harr Features with Smart Video Surveillance System. **(IEEE-2014)**

HVS-1830. Nonlinear Control Design for Maximum Power Point Tracking and Unity Power Factor of a Grid-Connected Photovoltaic Renewable Energy Systems. **(IEEE-2014)**

HVS-1831. On Board Vehicle Health Monitoring System Using Dynamic Priority Protocol. **(IEEE-2014)**

HVS-1832. On Voice Activated Information Retrieval System. **(IEEE-2014)**

HVS-1833. PI Controller for Energy Management System in Hybrid Electric Ship. **(IEEE-2014)**

HVS-1834. Power Control Strategy Of A Grid Connected Hybrid System. **(IEEE-2014)**

HVS-1835. Power Line Carrier Communication. **(IEEE-2014)**

HVS-1836. Power Management of Hybrid Renewable Energy System by Frequency Deviation Control. **(IEEE-2014)**

HVS-1837. Printer control using Mobile. **(IEEE-2014)**

HVS-1838. QR Code Based Billing System for Shops using Android Smartphone. **(IEEE-2014)**

HVS-1839. Railway Track Pedestrian Crossing between Platforms. **(IEEE-2014)**

- HVS-1840.** Real Time Automization of Agriculture System Using Arm7. **(IEEE-2014)**
- HVS-1841.** Real Time Monitoring & Controlling System for Food Grain Storage. **(IEEE-2014)**
- HVS-1842.** Real Time Vision Based Security System. **(IEEE-2014)**
- HVS-1844.** Result and Analysis of Implemented Real Time Wireless Health Monitoring System Using Sensors. **(IEEE-2014)**
- HVS-1843.** Real Time Water Quality Measurement System based on GSM. **(IEEE-2014)**
- HVS-1845.** Security Algorithm for Wireless Patient Monitoring System. **(IEEE-2014)**
- HVS-1846.** SEMG Based Study On The Difference In The Muscle Strength Of A Half Paralytic Person Due To Stroke. **(IEEE-2014)**
- HVS-1847.** Simulation of RF-MEMS Bio Implantable Sensor for Orthopedic Application. **(IEEE-2014)**
- HVS-1848.** Single Phase Grid Connected Wind Power Using Chopper Based Pi Controller. **(IEEE-2014)**
- HVS-1849.** Smart Card Authentication using Finger Print Combination. **(IEEE-2014)**
- HVS-1850.** Smart home using Andriod application. **(IEEE-2014)**
- HVS-1851.** Smart Remote Control: Universal Remote Control using RF Sensors and GSM Technology. **(IEEE-2014)**
- HVS-1852.** Solar Maximum Power Point Tracking and Its Application to Green House. **(IEEE-2014)**
- HVS-1853.** Thermoelectric Based Dual Processing Control Using Embedded Controller. **(IEEE-2014)**
- HVS-1854.** Video Image Enhancement and Object Tracking. **(IEEE-2014)**
- HVS-1855.** Voice Operated Intelligent Elevator. **(IEEE-2014)**
- HVS-1856.** Water-Saving Irrigation System Using Risc Processor and WSN. **(IEEE-2014)**
- HVS-1857.** Wearable Carbon Monoxide Warning System Using Wireless Sensors. **(IEEE-2014)**
- HVS-1858.** Web Based Fleet Management using GPS. **(IEEE-2014)**
- HVS-1859.** Web-based Electronic Load To Test DC Power Supply. **(IEEE-2014)**

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- HVS-1860.** Wireless Communication Aid for the Voiceless. **(IEEE-2014)**
- HVS-1861.** Wireless Health Care Monitoring. **(IEEE-2014)**
- HVS-1862.** Wireless Mobile Communication Using Human Body as a Channel. **(IEEE-2014)**
- HVS-1863.** Wireless power meter monitoring with power theft detection and intimation system using GSM and Zigbee networks. **(IEEE-2014)**
- HVS-1864.** Wireless Power Theft Monitoring And Controlling Unit for Substation. **(IEEE-2014)**
- HVS-1865.** Wireless Power Transmission for Mobile and Vehicle. **(IEEE-2014)**
- HVS-1866.** Wireless Power Transmission With Self-Regulated Output Voltage for Biomedical Implant. **(IEEE-2014)**
- HVS-1867.** Wireless transmission and analysis of physical variations in the atmosphere using ZIGBEE. **(IEEE-2014)**
- HVS-1868.** Wireless Relay Controller Using Android Smartphone. **(IEEE-2014)**
- HVS-1869.** Wireless Communication, Monitoring and Security System Embedded Safety Helmet for Real Time Applications. **(IEEE-2014)**
- HVS-1870.** Zigbee based sensor networks for temperature monitoring and controlling. **(IEEE-2014)**