Raspberry Pi Project List

QRPI01) Development of cloud based light intensity monitoring system using raspberry Pi
QRPI02) Design & development of daughter board for Raspberry Pi to support Bluetooth communication using UART
QRPI03) Monitoring and controlling of smart equipment’s using Android compatible devices towards IoT applications and services in manufacturing industry
QRPI04) EURIDICE – IoT applied to Logistics using the Intelligent Cargo Concept
QRPI05) Computer Vision Based Vehicle Detection for Toll Collection System Using Embedded Linux
QRPI06) A Smart System Connecting e-Health Sensors and the Cloud
QRPI07) Automobile black box system for accident analysis
QRPI08) WiFi Pi-Tracking at mass events
QRPI09) Using of Raspberry Pi for Data Acquisition from Biochemical Analyzers
QRPI10) Wireless sensor network communication terminal based on embedded Linux and Xbee
QRPI11) An Internet of things approach for motion detection using Raspberry Pi
QRPI12) WSN for traffic monitoring using Raspberry Pi board
QRPI13) Web Based Service to Monitor Automatic Irrigation System for the Agriculture field Using Sensors
QRPI14) Big Data Infrastructure for analyzing data generated by Wireless Sensor Networks
QRPI15) Web based Automatic Irrigation System using wireless sensor network and Embedded Linux board
QRPI16) Smart Drip Irrigation System using Raspberry pi and Arduino
QRPI18) Sensing wind for environmental and energy applications
QRPI19) Raspberry Pi as a Wireless Sensor node: Performances and constraints
QRPI20) Adaptive control performance of a mobile robot using hybrid of SLAM and fuzzy logic control in indoor environment
QRPI21) Low-Cost Speaker and Language Recognition Systems Running on a Raspberry Pi
QRPI22) Development of energy efficient distributed computer systems with self-contained remote modules
QRPI23) Optical Flow Motion Detection on Raspberry Pi
QRPI24) Design of tracked robot with remote control for surveillance
QRPI25) B3: A plug-n-play internet enabled platform for real time image processing
QRPI26) A co-simulation platform for medium/low voltage monitoring and control applications
QRPI27) A Drill Signal Detection Technology for Handheld Medical Drilling Device
QRPI28) On the Delay Characteristics for Point-to-Point Links using Random Linear Network Coding with On-the-Fly Coding Capabilities
QRPI29) Automated electric meter reading and monitoring system using ZigBee-integrated raspberry Pi single board
QRPI030) computer via Modbus
QRPI031) Internet based electronic prototyping system for memristor characterization
QRPI032) Design of an embedded based control system for efficient sorting of waste plastics using Near Infrared Spectroscopy
QRPI033) Wireless sensor network and web based information system for asthma trigger factors monitoring
QRPI034) H-box: Interconnecting devices across local networks
QRPI035) Raspberry Pi based interactive home automation system through E-mail
QRPI036) Throughput vs. Delay in Lossy Wireless Mesh Networks with Random Linear Network Coding
QRPI037) WSN for traffic monitoring using Raspberry Pi board
QRPI038) Automated electric meter reading and monitoring system using ZigBee-integrated raspberry Pi single board computer via Modbus
QRPI039) An Arduino-based EIS with a logarithmic amplifier for corrosion monitoring
QRPI040) Hapkit: An open-hardware haptic device for online education
QRPI041) Smart Drip irrigation system using Raspberry pi and Arduino
QRPI042) Automated electric meter reading and monitoring system using ZigBee-integrated raspberry Pi single board computer via Modbus
QRPI043) Object-following robot using adaptive cruise control algorithm with IOIO
QRPI044) Remote control robot using Android mobile device
QRPI045) Raspberry PI Based Global Industrial Process Monitoring Through Wireless Communication
QRPI046) An Internet of Things Approach for Motion Detection Using Raspberry Pi
QRPI047) Low Cost Smart Security Camera With Night Vision Capability Using Raspberry Pi And Opencv
QRPI048) Raspberry Pi Based Interactive Home Automation System Through E-Mail
QRPI049) A Video-Analysis-Based Railway–Road Safety System for Detecting Hazard Situations at Level Crossings.
QRPI050) Features, Color Spaces, and Boosting New Insights on Semantic Classification of Remote Sensing Images.
QRPI051) NavEye: Smart guide for blind students
QRPI052) Speech Recognition for Voice-Based Machine Translation.
QRPI053) Low-Cost Speaker and Language Recognition Systems Running on a Raspberry Pi.
QRPI054) A wireless automatic meter reading system based on digital image process and ZigBee-3G.
QRPI055) Novel Light-Emitting-Diode Dimming Approach Based on Cloud Computing for Protected Cultivation
QRPI056) Implementation of vision based intelligent home automation and security system.
QRPI057) Automation using voice recognition with python SL4A script for android devices
QRPI058) NFC based applications for visually impaired people - A review.
QRPI059) Speech biometric based attendance system.
QRPI060) Field tests of two-way television audience measurement system
Design and implementation of vehicle tracking system using GPS/GSM/GPRS technology and smartphone application.

A Novel Approach to Circular Edge Detection for Iris Image Segmentation.

Real time condition monitoring system for tomato ripening.

Low-Cost Speaker and Language Recognition Systems Running on a Raspberry Pi.

Development of energy efficient distributed computer systems with self-contained remote modules.

Optical Flow Motion Detection on Raspberry Pi.

Design of tracked robot with remote control for surveillance.

Wireless sensor network and web based information system for asthma trigger factors monitoring.


Raspberry Pi based interactive home automation system through E-mail.

Throughput vs. Delay in Lossy Wireless Mesh Networks with Random Linear Network Coding.

WSN for traffic monitoring using Raspberry Pi board.

Automated electric meter reading and monitoring system using ZigBee-integrated raspberry Pi single board computer via Modbus.

Design of a vision-based autonomous robot for street navigation.

SLAM-based autonomous wheelchair navigation system for AAL scenarios.

Monitoring and controlling the combustion quality in thermal power plant boiler using image processing and robotic arm.

Vision based guidance for robot navigation in agriculture.

Advanced Traffic Management System/ Automatic Number Plate Reader (ANPR) cameras

Robotics Voice Recognition for Physically Challenged People.

Low-Cost Speaker and Language Recognition Systems Running on a Raspberry Pi

Determination of ripeness and grading of tomato using image analysis on Raspberry Pi

Smart farm monitoring using Raspberry Pi and Arduino

Implementation of fingerprint and newborn footprint feature extraction on Raspberry Pi

More missing the Boat — Arduino, Raspberry Pi, and small prototyping boards and engineering education needs them

A review on implementation of bimodal newborn authentication using raspberry Pi

Pibot : The Raspberry pi Controlled Multi-Environment Robot for Surveillance and Live streaming

Smart Drip Irrigation System using Raspberry Pi and Arduino

An Internet of Things Approach For Motion Detection using Raspberry pi

Development of Cloud Based Light intensity Monitoring system using raspberry pi

Raspberry pi Based Interactive Home Automation System through Email

Optical Flow Motion Detection on Raspberry Pi

Raspberry Pi based interactive home automation system through E-mail

Using of Raspberry Pi for data acquisition from biochemical analyzers

Bluetooth communication using a touch screen interface with the Raspberry Pi
Development of Fire alarm system using Raspberry Pi and Arduino Uno

Automated electric meter reading and monitoring system using zigbee-integrated raspberry Pi single board computer via Modbus

Web-browser controller robot using the Raspberry pi With this project, we demonstrate how to control a robot directly from the browser of any computer, tablet, or phone.

Twitter weather station Raspberry Pi weather and time station that Tweets the temperature and the time, using Python.

Raspberry Pi based Home Automation

A GSM, WSN and Embedded Web Server Architecture for Internet Based Kitchen Monitoring System Using Raspberry Pi.

A New method of License plate recognition system using Raspberry Pi processor.

A New System By Using GPRS Technology Along With Raspberry Pi & A Smartphone For The Secured Wireless Communication In Industrial Automation & Control.

A Novel Video/Photo Recorder Using an Online Motion Sensor-Triggered Embedded System Using ARM 11 Raspberry Pi.

A Smart City Application: A Fully Controlled Street Lighting Isle Based on Raspberry-Pi Card, a ZigBee Sensor Network and WiMAX.

Access Control Using Biometrics Features with Raspberry Pi.

Adaptive Home System Using Wireless Sensor Network And Multi Agent System Based on Arm 11 Raspberry Pi.

RASPBERRY PI BASED WIRELESS HOME APPLIANCES MONITORING AND CONTROL SYSTEM USING ANDROID GSM SMART PHONE

DESIGN VEHICLE POSITIONING SYSTEM WITH EXACT LOCATION ADDRESS BASED ON ARM11 RASPBERRY PI

AUTOMATIC ENGINE LOCKING SYSTEM FOR DRUNK AND DRIVER USING RASPBERRY PI

ACCIDENT INDICATION SYSTEM BASED ON GSM & RASPBERRY PI

SURVEY ON WEB BASED INTELLIGENT IRRIGATION SYSTEM IN WIRELESS SENSORS NETWORK and Raspberry Pi.

An Adaptive and Online Underwater Image Processing Algorithm Implemented on Miniature Biomimetic Robotic Fish and Raspberry Pi

Design of Robotic Fish for Aquatic Environment Monitoring based on Raspberry Pi

Personal Driver Assistance System (PDAS) based on Raspberry Pi

Vehicular Monitoring and Tracking Using RASPBERRY PI

Vehicle Positioning System with Exact Location Address Based On ARM11 Raspberry Pi

Vehicle Anti-Theft Tracking and Alarming System Based on Arm 11 Raspberry PI.

Unmanned Aerial Vehicle for Video Surveillance Using Raspberry Pi

Smart Surveillance Monitoring System Using Raspberry Pi and PIR Sensor

Smart Phone Controlled Wireless Home Appliances Monitoring and Control System Using Raspberry Pi

Real Time Video Monitoring System Using Raspberry Pi

Real time Monitoring & Data logging System using ARM architecture of Raspberry pi & Arduino UNO
QRPi0123) Real Time Embedded Network Video Capture And SMS Alerting system Using ARM 11 Raspberry Pi
QRPi0124) Raspberry-Pi Based Health Monitoring System
QRPi0125) Raspberry pi Based Web-Controlled Surveillance Robot with A Robotic Arm
QRPi0126) Raspberry Pi Based War Field Robot Controlled By Android Phone
QRPi0127) RASPBERRY PI BASED TRAFFIC COUNTING SYSTEM
QRPi0128) Raspberry Pi based home door security through 3g dongle
QRPi0129) Raspberry Pi Based Fire Alert Robo with Wi-Fi Controlled Visual Feedback
QRPi0130) Raspberry Pi and image processing based Electronic Voting Machine (EVM)
QRPi0132) Implementation of Wireless Sensor Networks for Industrial Applications Using The Multi-Core Architecture Based on Arm 11 Raspberry PI.
QRPi0133) Implementation of embedded surveillance system using sensors Using Raspberry Pi
QRPi0134) Home Automation through E-Mail using Raspberry Pi
QRPi0135) Home Automation Based on an Android and a Web Application Using Raspberry Pi
QRPi0136) Evidence Collection from Car Black Boxes using Vehicular Digital Video Recorder System using Raspberry Pi
QRPi0137) Embedded Wireless Sensor Network for Environment Monitoring using Raspberry Pi
QRPi0138) Embedded Surveillance System using Multiple Ultrasonic Sensors Based on Arm 11 Raspberry PI.
QRPi0140) Design and Implementation of Traffic Monitoring System Based on Embedded Web Technology and Raspberry PI.
QRPi0141) Design and Development of accelerometer based System for driver safety using Raspberry Pi.
QRPi0142) Biometrics Authentication Using Raspberry Pi.
QRPi0143) An Embedded Vision System for Real-Time Autonomous Localization Using Laser Profilometry
QRPi0144) IoT based monitoring and control system for home automation using Raspberry Pi.
QRPi0145) Computer vision based vehicle detection for toll collection system using embedded Linux
QRPi0146) Real Time Vehicle Monitoring and Tracking System based on Embedded Linux Board and Android Application
QRPi0147) Object tracking by PI control and image processing on embedded systems
QRPi0148) Energy-Efficient Acceleration of Open CV Saliency Computation Using Soft Vector Processors
QRPi0149) Computer vision Based Vehicle Detection for Toll Collection System using Embedded systems
QRPi0150) A Survey of IOT :Future Vision Architecture, Challenges and Services
QRPi0151) Surveillance System with Light Sensor Using IOT
QRPi0152) ARM11 based RFID access control system with Live Image Capture
QRPi0153) A plug-n-play internet enabled platform for real time image processing
QRPi0154) Design of tracked robot with remote control for surveillance
QRPi0155) Face identification implementation in a standalone embedded system
QRPi0156) Image processing based Vehicle Number plate recognition and alerting system
QRPi0157) Design and development of online weather station and data upload to cloud in internet of things.