

## ECE PROJECT TITLES - 2016

### Image Processing Projects

IPP001	Augmented reality based real time translation system
IPP002	Automatic QR code based attendance system
IPP003	Cloud Based Automatic Number Plate Recognition system
IPP004	Cloud based Secured Password Less and Card less ATM machine interaction using QR code
IPP005	Dynamic and efficient Face Recognition system
IPP006	Making images in the papers to come alive as videos using augmented reality
IPP007	Marker based augmented reality for Product show case
IPP008	Motion Activated Wildlife Recording Camera Using Raspberry Pi
IPP009	Number plate based autonomous vehicle following bot using Raspberry Pi

### LiFi Projects

LFP001	Assisted navigation for blind people using LiFi Communication
LFP002	Coexistence Of WiFi And LiFi Towards real-time implementation on LiFi based internet of Things
LFP003	Communication between computers using Secure LiFi Network
LFP004	Eco-friendly data transmission in Visible Light Communication
LFP005	PC to mobile communication using LiFi
LFP006	Secure Indoor network for mobile to mobile communication

### Embedded Projects

EMP001	A design on communication system in between visitor and collection in museum hall by iBeacon
EMP002	An approach to Wireless power charging system for battery operated car
EMP003	An Internet of things approach for motion detection using Raspberry Pi
EMP004	Android based Glucometer data aggregation system for Historic data analysis
EMP005	Arduino Based Line Following Robot
EMP006	Assisted navigation for blind people using LiFi Communication
EMP007	Automated Intelligent Traffic Control System using Zigbee
EMP008	Bluetooth based secure Smart Lock System
EMP009	Bluetooth based vehicle control system using Android phone

EMP010	Cloud based distributed sensor network for scalable data analytics
EMP011	Cloud based Secured Password Less and Card less ATM machine interaction using QR code
EMP012	Coexistence Of WiFi And LiFi Towards real-time implementation on LiFi based internet of Things
EMP013	Communication between computers using Secure LiFi Network
EMP014	Design and implementation of digital energy meter with data sending capability using GSM network
EMP015	Design for visually impaired to work at Industry using RFID technology
EMP016	Digitizing Analog Meters using Image processing
EMP017	Digitizing Analog Meters using physical IR sensing based counters
EMP018	Distributed weather reporting IoT hubs
EMP019	Drink & Drive Detection With Ignition Lock Project
EMP020	DTMF Based Electronic Voting Machine
EMP021	DTMF Based Irrigation Water Pump Controller
EMP022	DTMF based Smart GSM based Home Automation System
EMP023	DTMF based unmanned vehicle control system
EMP024	Eco-friendly data transmission in Visible Light Communication
EMP025	Fancy bangle based panic alert triggering for women's through android phone
EMP026	Finger print and RFID based Hybrid authentication using Raspberry Pi
EMP027	Home Automation using visible light communication
EMP028	Intelligent Fire Alarming System
EMP029	Intelligent Garbage Monitoring System
EMP030	IoT Based Fast and time efficient Toll Booth Manager System
EMP031	IoT based home automation to easily control home appliances and automate homes
EMP032	IoT based Smart City street lighting application for efficient use of power
EMP033	IoT based Smart Parking in busy city environment and Monitoring of parking spaces in the city
EMP034	IoT enabled Weighing Scale for autonomous and intelligent BMI Calculation
EMP035	IOT Gateway: Bridging Wireless Sensor Networks and Internet of Things
EMP036	IoT wrist-band to Log the patient body temperature and Alert for medication
EMP037	Password Based Door Lock System using Arduino
EMP038	PC to mobile communication using LiFi
EMP039	Raspberry Pi based Interactive Home Automation System through E-mail
EMP040	Research and development on precision irrigation control system in

	agricultural
EMP041	RFID based access control and logging in IoT environment
EMP042	RFID Based Automated Toll Plaza System
EMP043	RFID based Hotel Room Management
EMP044	RFID Based Lock System
EMP045	Secure Indoor network for mobile to mobile communication
EMP046	Smart Drip Irrigation System using Raspberry pi and Arduino
EMP047	Smart Energy Meter using Mesh Topology
EMP048	Smart home control through network using embedded
EMP049	Smart Irrigation System by sensing the soil Moisture
EMP050	Speech based home automation using Raspberry Pi
EMP051	Street Lights that Glow on Detecting Vehicle Movement
EMP052	Voice Controlled Home Automation Using Raspberry Pi
EMP053	Water Level Meter for Alerting Population about Floods
EMP054	Web based Automatic Irrigation System using wireless sensor network and Embedded Linux board
EMP055	WiFi based secure Smart Lock System
EMP056	Wireless power charging system for smart phones
EMP057	Wireless power supplies for sensor networks
EMP058	Wireless sensor Network Based Industrial parameter monitoring

## Internet of Things

IOT001	A design on communication system in between visitor and collection in museum hall by iBeacon
IOT002	An Internet of things approach for motion detection using Raspberry Pi
IOT003	Android based Glucometer data aggregation system for Historic data analysis
IOT004	Assisted navigation for blind people using LiFi Communication
IOT005	Bluetooth based secure Smart Lock System
IOT006	Cloud Based Automatic Number Plate Recognition system
IOT007	Cloud based distributed sensor network for scalable data analytics
IOT008	Cloud based Secured Password Less and Card less ATM machine interaction using QR code
IOT009	Coexistence Of WiFi And LiFi Towards real-time implementation on LiFi based internet of Things
IOT010	Design and implementation of digital energy meter with data sending capability using GSM network
IOT011	Digitizing Analog Meters using Image processing

IOT012	Digitizing Analog Meters using physical IR sensing based counters
IOT013	Distributed weather reporting IoT hubs
IOT014	Fancy bangle based panic alert triggering for women's through android phone
IOT015	Home Automation using visible light communication
IOT016	Intelligent Fire Alarming System
IOT017	Intelligent Garbage Monitoring System
IOT018	IoT Based Fast and time efficient Toll Booth Manager System
IOT019	IoT based home automation to easily control home appliances and automate homes
IOT020	IoT based Smart City street lighting application for efficient use of power
IOT021	IoT based Smart Parking in busy city environment and Monitoring of parking spaces in the city
IOT022	IoT enabled Weighing Scale for autonomous and intelligent BMI Calculation
IOT023	IOT Gateway: Bridging Wireless Sensor Networks and Internet of Things
IOT024	IoT wrist-band to Log the patient body temperature and Alert for medication
IOT025	Portable web hosting server setup using Raspberry Pi
IOT026	Raspberry Pi based Interactive Home Automation System through E-mail
IOT027	RFID based access control and logging in IoT environment
IOT028	Smart Drip Irrigation System using Raspberry pi and Arduino
IOT029	Smart home control through network using embedded
IOT030	Smart Irrigation System by sensing the soil Moisture
IOT031	Speech based home automation using Raspberry Pi
IOT032	Voice Controlled Home Automation Using Raspberry Pi
IOT033	Water Level Meter for Alerting Population about Floods
IOT034	Web based Automatic Irrigation System using wireless sensor network and Embedded Linux board
IOT035	WiFi based secure Smart Lock System
IOT036	Wireless sensor Network Based Industrial parameter monitoring

### **Raspberry Pi Projects**

RPI001	An Internet of things approach for motion detection using Raspberry Pi
RPI002	Cloud Based Automatic Number Plate Recognition system
RPI003	Drink & Drive Detection With Ignition Lock Project
RPI004	Finger print and RFID based Hybrid authentication using Raspberry Pi
RPI005	IoT based home automation to easily control home appliances and

	automate homes
RPI006	Linux Based Speaking Medication Reminder Project
RPI007	Motion Activated Wildlife Recording Camera Using Raspberry Pi
RPI008	Number plate based autonomous vehicle following bot using Raspberry Pi
RPI009	Portable web hosting server setup using Raspberry Pi
RPI010	Raspberry Pi based Interactive Home Automation System through E-mail
RPI011	Raspberry Pi based patient queue management system
RPI012	Raspberry Pi based video display with, remote content management
RPI013	Smart Drip Irrigation System using Raspberry pi and Arduino
RPI014	Speech based home automation using Raspberry Pi
RPI015	Speech recognition system using Raspberry Pi
RPI016	Voice Controlled Home Automation Using Raspberry Pi
RPI017	Web based Automatic Irrigation System using wireless sensor network and Embedded Linux board

### Robotics Projects

RBP001	Bluetooth based vehicle control system using Android phone
RBP002	DTMF based unmanned vehicle control system
RBP003	Number plate based autonomous vehicle following bot using Raspberry Pi