

Trinity Technologies
Electronics Engineering Projects
WSN Based Topics

Sr. No.	Project Name	Objectives
1	Design of Smart Walking Stick Combined with Home Automation for Blind People	The main objective of this project is to design a smart blind stick which can act as Blind stick and home automation as well
2	Robotic Bomb Detection and Disposal Application using Arduino	The main objective of this project is to detect the Bomb using Metal detector and to take away bomb from that location
3	Arduino Based Visible Light Communications Between Two Devices Using Li-Fi Technology (Domains / WSN)	The main objective of this project is to transfer data from one PC to another PC by using Li-Fi Technology
4	Arduino based Smart System for Control and Effective Billing	The main objective of this project is to generate bill and to control home appliances accordingly through Bluetooth itself
5	Microcontroller Application in Feeding Fish Using an Android Mobile	The main objective of this project is to feed fish by using commands form Mobile
6	WSN Based Mountain Climber Health & GPS Tracker	The main objective of this project is to track the location and health condition of Mountain climber
7	Advanced vehicle Monitoring System and Automatic Vehicle Dim and Brightness Controlled using NRF24L01 Module (Domains / WSN)	The main objective of this project is to monitor vehicle light brightness using Wireless Communication
8	Deep Learning Based Parametric Model for V2V Communication System	The main objective of this project is to communicate between two vehicles for better Transportation model
9	Cloud Assisted School Children Tracking System	The main objective of this project is to build tracking system for School Children and monitoring their location in Server
10	Smart Home for Helpless Old Aged People (Domains / WSN)	The main objective of this project is to Control home appliances easily so that it it will be helpful for Old Age people
11	Advanced Security System in Military for Identification of Trespassers using Ultrasonic Radar	The main objective of this project is to provide Security system for Trespassers identification in Military

Contact Details-
Website - www.trinitytechnologies.in
Email_ID – contact@trinitytechnologies.in
+919975600245; +918484857487

12	Examination Room Guide Using RFID (Domains / WSN)	The main objective of this project is to guide the student at the examination centers for searching the examination room by using RFID card as hall ticket.
13	IOT Based Smart Museum using Bluetooth Low Energy	The main objective of this project is to share knowledge about historical arts to visitors by using BLE technology
14	IOT & RFID Based Wireless Vehicle Charging using Arduino	The main objective of this project is to charge the vehicle wirelessly via inductive coupling using wireless charging system
15	Driver Safety Analysis with Accident Detection using WSN	The main objective of this project is to analyse the driver state and gives alert on accident detection with GPS location
16	Child in Safety with Localization Awareness (Domains / WSN)	The main objective of this project is to give safety to child by sending their location for continuous monitoring
17	Embedded Based Vehicle Speed Control System Using Wireless Technology (Domains / WSN)	The main objective of this project is to alert driver to control the speed of vehicle in critical zones like schools, hospitals etc.
18	Multi-Functional Blind Stick for Visually Impaired People	The main objective of this project is to help blind people to walk without the help of others. This is a voice assistant system which will guides him when an obstacle moves towards them.
19	Impaired People (Domains / WSN)	to help blind people to walk without the help of others. This is a voice assistant system which will guides him when an obstacle moves towards them.
20	Arduino Based traffic congestion control with automatic signal clearance for emergency vehicles and Stolen Vehicle Detection (Domains / WSN)	The main objective of this system is to controlling the traffic signals so that the ambulance would be able to cross all the traffic junctions without waiting.
21	Arduino Based traffic congestion control with automatic signal clearance for emergency vehicles and Stolen Vehicle Detection (Domains / WSN)	The main objective of this system is to controlling the traffic signals so that the ambulance would be able to cross all the traffic junctions without waiting.
22	Real-time Wireless Embedded Electronics for Soldier Security	The main objective of this project is to monitor the health conditions of a soldier. Heartbeat and body temperature of every soldier will be monitored. This technology can be helpful to provide the accurate location of missing soldier in critical condition and overcome the drawback of soldiers missing in action.

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24	Smart Door Using Biometric NFC Band and OTP Based Methods	The main aim of this project is to have more secure house.
25	Smart Door Using Biometric NFC Band and OTP Based Methods	The main aim of this project is to have more secure house.
26	Low power Smart Vehicle Tracking, Monitoring, Collision avoidance and Antitheft System (Domains / WSN)	The main aim of this project is to helps the owner in tracking the vehicle at a greater pace, and reduces the complexities compared to other systems, besides being a cheapest alternative for anti-theft system as well.
27	Low power Smart Vehicle Tracking, Monitoring, Collision avoidance and Antitheft System (Domains / WSN)	The main aim of this project is to helps the owner in tracking the vehicle at a greater pace, and reduces the complexities compared to other systems, besides being a cheapest alternative for anti-theft system as well.
28	Smart Bag for Women Safety (Domains / WSN)	The main objective is to design a smart bag which provides security for women since women are not safe in many locations. Women harassment is increasing in an alarming rate. To ensure women safety this system established.
29	Smart Bag for Women Safety (Domains / WSN)	The main objective is to design a smart bag which provides security for women since women are not safe in many locations. Women harassment is increasing in an alarming rate. To ensure women safety this system established.
30	Ultrasonic Spectacles and Waist-belt for Visually Impaired and Blind Persons (Domains / WSN)	The main objective of the project is mainly intended to design a voice based alerting system for the blind people based on ultrasonic distance for obstacle detection and voice circuit for voice based announcements. The advantage of this device is voice based announcement for easy navigation
31	Child Safety Monitoring System Based on IoT (Domains / WSN)	The objective of this project is to provide safety and tracking facility to parents and to locate and monitor the child

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32	Transmission of Data, Audio Signal and Text Using Li-Fi	The main objective of the project is to send an audio signal from mobile to the speaker with the help of wireless LiFi technology
33	Traffic Management by Monitoring Weather Parameters and Pollutants Remotely using Raspberry Pi	The main objective of the project is to measure few weather parameters at a dense location with heavy traffic and provide the corresponding live data by the stand-alone IoT system
34	Air Pollution Monitoring System Using Waspnote Gases Sensor Board in Wireless Sensor Network	The main objective of this project is to monitor and analyze the level of air pollution at certain location and inform the results to the user in graphical form through IOT.
35	Design and implementation of a vehicle to vehicle communication system using Li-Fi technology	The main objective of the project is to implement Vehicle to vehicle communication in order to reduce vehicle's accidents by Li-Fi technoogy. The proposed use of
	(Domains / WSN)	Li-Fi technology comprises mainly light-emitting diode (LED) bulbs as means of connectivity by sending data through light spectrum as an optical wireless medium for signal propagation.
37	Smart AI pothole detector (Domains / WSN)	The main objective of this project is to detect potholes in a simple way, inform that to the maintenance and solve the problem and finally make the transport easier.
38	IOT Based Smart Museum using Bluetooth Low Energy	The main objective of this project is to share knowledge about historical arts to visitors by using BLE technology
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62	Smart Waste Management System Using NodeMCU	The main objective of the project is to maintain the level of cleanliness in the city and to create an environment which is better for living as this system constantly check the level of the garbage in the dustbins which are placed in various parts of the city. If a particular dustbin has reached the maximum level, then the employees are informed and they can immediately take certain actions to empty it as soon as possible.
63	Arduino Based High Protection Voice Identification Based Bank Locker Security System With Live Image Authentication (Domains / WSN)	The main objective of the project is providing security for people property which can be accessed through face authentication and through voice commands from google assistant.
64	Advanced IOT Based Combined Remote Health Monitoring, Home Automation and Alarm System	The main objective of the project is health parameter monitoring, medicine time reminding and an automated home system. This system will remind the patient when it's time to take pills through an SMS, email and a voice message and can monitor the health parameters and updates the data to the doctor or patient via an SMS.
65	Novel Wearable Sensor Device For Continuous Monitoring Of Cardiac Activity During Sleep	The main objective of this project is to monitor blood pressure and temperature continuously through a wearable device
66	Borewell Child Rescue (Domains / WSN)	The main objective of this project is to Rescue Child from Borewell by measuring distance of child from ground level
67	Voice Operated Intelligent Fire Extinguisher Vehicles	
68	Arduino based Traffic Light Control System for Emergency Vehicle Using Radio Frequency (Domains / WSN)	
69	Smart Vehicle Parking System Using RFID (Domains / WSN)	The main objective of this project is to know the parking slot status in any parking places which makes an user to find the parking slots easily through wireless sensor network
70	Vehicle Speed Violation Auto Salary Debit Using RFID	

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71	Design & Implementation of IoT Based Smart Helmet for Road Accident Detection (Domains / WSN)	With the growing number of 2-wheel motor vehicles, the frequency of accidents is on the rise. A major portion of the fatalities occur because the person was either not wearing a helmet, or his accident was not reported in time, and he could not be saved because of the delayed admittance to a hospital, or because he was riding while drunk. We propose mechanisms that can detect if one is wearing the helmet, detect accidents, and detect whether the person has over-consumed alcohol. This will ensure the holistic safety of the rider at all times.
72	Smart Helmet Wiper (Domains / WSN)	The main theme is to design a helmet that is integrated with a circuit to sense the rain and automatically starts to wipe the helmets eye shield
73	Design for visually impaired to work at Industry using RFID technology	The main objective of the project is to provide navigation through a voice system to direct visually impaired to his table in the office/industry rather than depending on others with the help of RFID technology.
74	Data Transmission over sound (Domains / WSN)	The main objective of the project is to transmit data over sound, where data-over-sound enables the exchange of data between any devices with a pre-existing Ultrasonic through sound waves
75	Investigation into Unconscious Driver's Posture Change and Body Injury Affected by Motorized Seat-Belt Pretension in Full-Frontal Collision with Automatic Emergency Braking	when emergency braking the vehicle the driver effected by seat-belt tightening the driver it causes injury to the driver.so, that seat-belts are set with different pre-tightening levels, and different initial speeds are set for each level.
76	Heart Attack and Alcohol Detection Sensor Monitoring in Smart Transportation System using Internet of Things	The main objective of this project is to create a heartbeat monitoring and heart attack detection system using IoT. The user may set the high as well as low levels of heart beat limit. After setting these limits, the system starts monitoring and as soon as
77	Anti-Theft technology of museum cultural relics based on internet of things (Domains / WSN)	This project proposes a museum anti-theft scheme based on the Internet of Things (IoT) technology, which identifies whether the cultural relics are within the safe range through the passive RFID readers/writers.

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78	Advanced Traffic Violation Control and Penalty System with Web Server	The main objective of this project is to create an intelligent traffic violation detection and traffic flow analysis system to monitor and measure red light jumping. This system is based upon RFID technology for identification of vehicles on the road and OpenCV, IoT for charging the vehicle for jumping red light.
79	Vehicle black box system With IoT (Domains / WSN)	The main objective of this project is to detect accidents and gives an immediate alert to the hospitals and/or to the police by sending an email through an IoT platform. This system also consists of a voice module circuit which records audio when an accident is happened.
80	Vehicle Theft Detector with Remote Engine Locking	The main objective of this project is to detect vehicle theft and continuously track latitude and longitude by mobile application
81	Forest Monitoring By Hierarchical Wireless Sensor Network	The main objective of this project is to save the forest areas from fire accidents because forests are important for human survival and social development. This system will update information to the official mobile by sending an SMS if any fire accident occurs or if any toxic gas is present or if anyone comes to cut down the trees
82	Vehicle Safety and Accident Detection System Using IoT	The main objective of the project is to collect crash recorder of the vehicle movements before, during and after a crash, through which an accident can be recognized. When an accident is occurred, immediately the location will be sent to the hospital.
83	Intelligent Covid-19 Pandemic Bus Service with Safety Measure	This project is used for pandemic bus service for safety measure. Initially passenger need to register for e-bus pass card. Whenever they entered into the bus, they need to swipe their card then their location is sent to cloud server. Based on the distance of travel, the fare is deducted from their e-bus pass card.
84	Monitoring System For Coal Mine Safety Based On Wireless Sensor Network (Domains / WSN)	The main objective of this project is to improve the level of monitoring production safety and reduce accident in the coal mines

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85	Automatic Electronic Toll Collection System using RFID	The main objective of this project is to reduce traffic in toll gates. In this project we have implemented a RFID based Vehicle identification with toll collection system and automatic gate open in tolls.
86	IOT Based Wireless Sensor Network for Air Pollution Monitoring System	The main objective of this project is to monitor the pollution level in the air by using the monitoring parameters such as MQ2 sensor, MQ135 sensor and DHT11 sensor.
87	Device to Cheek Harmful Chemicals in Vegetables and Fruits	The main objective of this project is to ensure food safety at every stage of the supply chain and to check harmful gases in vegetables and fruits, if any
88	Advanced IOT-based Real-Time Earthquake Detector early warning system using WSN in IoTubidots	
89	Design of Raspberry pi Web-Based Energy Monitoring System for Residential Electricity Consumption	
90	Automatic fall detection and monitoring for older people using wireless communication (Domains / WSN)	The main objective of this project is fall detection and rescue them Immediately.
91	Student Attendance Management System Based on RFID over web server (Domains / WSN)	The main objective of this project is to create an RFID system in this application area to detect the presence and absence of the student data which is to be transmitted wirelessly by mobile device, called a tag, which is read by an RFID reader.
92	Device to measure Steroid content in Milk/Meat Products	The main objective of the is to analyze the milk pH, conductivity, temperature and odor in small dairies to determine the purity of the milk.
93	Implementation of greenhouse monitoring using Python on Raspberry Pi	The main aim of this project is to design a simple, low cost system to monitor the value of environmental parameter and they are continuously updated and controlled in order to achieve optimum plant growth.
94	Design & Implementation of An Automated Reminder Medicine Box For Old People And Hospital	The main aim of the project is to develop a smart medicine remainder box that is used to remind our loved ones to take medicines on time.
95	Iot Based Indoor Air Pollution Monitoring Using Raspberry Pi	

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96	A Blind Navigation System Using Rfid For Indoor & Outdoor Environments (Domains / WSN)	
97	Automatic Monitoring And Control Of Vehicle Entry/exit In Forest Area With Raspberry-pi,	
	Python And Open Cv (Domains / WSN)	
99	High Protection Voice Identification Based Bank Locker Security System With Live Image Authentication	
100	Integrated System For Regional Navigator And Seasons Management	
101	From Raspberry Pi Web Camera (Domains / WSN)	to scan the bar code labels on the grocery items or other and send the data or link through GSM along with the IOT Platform.
102	Efficient Smart Emergency Response System For Fire Hazards Using Iot	
103	Real Time Monitoring & Analyzation Of Hazardous Parameters In Underground Coal Mines Using Intelligent Helmet System (Domains / WSN)	
104	Novel Parking Management System, For Smart Cities, To Save Fuel, Time, And Money (Domains / WSN)	
105	Rfid Based Secure Smart School Bus System Using Raspberry Pi	
106	Design Of Arduino Based Real Time Health Monitoring System Using Wi-fi Technology (Domains / WSN)	
107	Smart Energy Meter For Advanced Metering And Billing System Using Arduino	
108	Wireless Operated War Field Land Rover That Alerts On Sensing Planted Land Mines Using Raspberry Pi	
109	Smart Crop Protection System From Animal Attacks	
110	Implementation of Network Weather Report System Through Network State Observation (Domains / WSN)	

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111	Smart Crop Protection System with Mail Alert Using NodeMCU	
112	Raspberry Pi Based Car Door Safety System With Wireless Alert	This project presents a car door safety system which has two major features that are sense when car door is opened and alert when the car crash detected. The car door safety system which this project presented is based on popular microcontrollers and sensors, it is easy to build, integrate and low cost. It transmit alert to configured SIM via GSM/GPRS module and also data updated in server when the door opened and crash detected.
113	Investigating Thermal Comfort For The Classroom Environment Using Iot (Domains / WSN)	
114	IOT Based Traffic Light Control System For Ambulance	The main objective of this system is to control the traffic signals so that the ambulance would be able to cross all the traffic junctions without waiting.
115	Design and Analysis Of A Smart Blind Stick For Visual Impairment	
116	Development Of Reverse Vending Machine (rvm) Framework For Implementation To A Standard Recycle Bin using Arduino (Domains / WSN)	The main objective of this system is to reuse wastages and can easily know how much amount of wastages we are reusing in our day to day life by getting message to the pre-registered mobile number as points.
117	Secure Fingerprint Bank Locker With Image Capture	The main objective of this project is to Open and close Bank locker using secure fingerprint
118	Raspberry Pi Based Vehicle Starter On Face Detection	This project is embedded automotive security system involving face recognition. The system can be used to reduce the increased vehicle theft which will give shock when an intruder tried to start the engine.
119	Voice Based Hot Cold-water Dispenser System Using Raspberry Pi	The main objective of this project is to dispense hot and cold water using Heater as a component
120	Reader For Visually Impaired People Using Raspberry Pi	The main objective of this project is to navigate visually impaired people in an indoor environment with the help of raspberry pi by identifying the objects that are present in his path and guiding him through speech via headphones.
121	Bi-directional Li-fi Communication For Transmitting Data, Audio And Image Information	

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122	Bus Tracking System Using NodeMCU (Domains / WSN)	
123	Smart Irrigation Using NodeMCU (Domains / WSN)	
124	School Bus Monitoring System Using Raspberry Pi	
125	An Intelligent Mobile Agents System For Sudden Infant Death Syndrome Monitoring (Domains / WSN)	
126	A Sewer Sensor Monitoring System Based On Embedded System	
127	Driver Behavior Assessment Based On Loosely Coupled Gps/ins Integration In Harsh Environment	
128	Prototyping Of Class-attendance System Using Mifare 1k Smart Card And Raspberry Pi 3 (Domains / WSN)	
129	Smart Bus Alert System For Easy Navigation Of Blind	
130	Development Of Reverse Vending Machine (rvm) Framework For Implementation To A Standard Recycle Bin	The main objective of this system is we can reuse wastages and can easily know how much amount of wastages we are reusing in our day to day life by getting message to the pre-registered mobile number as points.
131	A Review On Night Vision Robot Patrolling And Monitoring System	
132	Real Time Position Tracking System Using Google Maps Api V3	
133	Water Level Monitoring And Dam Gate Control Over Iot	The main objective of this project is to monitor the water level and to control the dam gate using IOT without human involving. Here we are trying to reduce the man power by including IOT controlled dam gate opening/ closing.
134	Waiter Robot – Solution To Restaurant Automation	
135	Raspberry Pi Based Intelligent Autonomous Campus Mobility Services	
136	Third Eye For Blind Ultrasonic Vibrator Glove (Domains / WSN)	
137	Android Controlled Wildlife Observation Robot (Domains / WSN)	

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138	Human-cloud Integration In Next Generation Healthcare Systems For Wearable Devices (Domains / WSN)	
139	Ssl: Smart Street Lamp Based On Fog Computing For Smarter Cities (Domains / WSN)	
140	Arduino Based Wireless Digital Traffic Signs Of The Future	
141	Secure And Robust User Authentication Using Partial Fingerprint Matching Using Raspberry Pi	
142	Effective Natural Communication between Human Hand and Mobile Robot Using Raspberry-Pi	
143	Prototype Implementation Of BLE Based Automated Data Collection Scheme In Agricultural Measurement System (Domains / WSN)	
144	Heartbeat Monitoring and Voice Based Alerting System for High and Low Heart Rate	
145	Voter Identification and Detection System Using RFID and GSM To Stop Rigging In The Elections	
146	Gsm Based Digital Fuel Meter And Fuel Theft Detection Using PIC Microcontroller (Domains / WSN)	
147	Smart Ration Card System Using Rfid With Raspberry Pi	The main objective of the project is to avoid the corruption in rationing system to a large extent by providing transparency at each level by storing all the data in database and in turn it is easy for higher authorities to cross check the data at any point.
148	Real Time Position Tracking System Using Google Maps Api V3 Using Arm7 (Domains / WSN)	
149	Laser Bank Security System (Domains / WSN)	
150	Vehicle Speed Detection And Control Using RFID With arduino	
151	Design and Implementation Non-Contact Hand Gestures Control Robot	

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152	Manually Controlled Enhanced Wireless Intelligent Fire Fighting Robot	
153	Design And Implementation Of An Interactive Road Safety System For Young Bikers (Domains / WSN)	
154	On Access Control In Cabin-based Transport Systems	
155	An Iot Based Multi-parameter Data Acquisition System For Efficient Bio-tele Monitoring Of Pregnant Women At Home	
156	Prototype Implementation Of BLE Based Automated Data Collection Scheme In Agricultural Measurement System (Domains / WSN)	
157	Raspberry Pi Based Bi-directional Li-fi Communication For Transmitting Data, Audio And Image Information	
158	Development Of Reverse Vending Machine (rvm) Framework For Implementation To A Standard Recycle Bin	The main objective of this system is we can reuse wastages and can easily know how much amount of wastages we are reusing in our day to day life by getting message to the pre-registered mobile number as points.
159	Prototype Design of an Iot Enabled Cost Efficient Portable Heart Health Data Acquisition System	
160	Passenger Localization For In-vehicle Personalization Using Ble Beacons (Domains / WSN)	
161	Smart Ration Card System Using Rfid And Embedded System	
162	A Sewer Sensor Monitoring System Based On Embedded System	
163	Driver And Passenger Identification From Smartphone Data	
164	Real Time Ethernet Control Communication For Robotic Arm Application By Using Raspberry Pi	
165	An Early Detection System For Proactive Management Of Raw Milk Quality (Domains / WSN)	

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166	Collision Warning With Auto Brake & Complete High Voltage Disconnect During Crash (Domains / WSN)	
167	Pillsense: Designing A Medication Adherence Monitoring System Using Pill Bottle-mounted Wireless Sensors	The main objective of this project is to build a system which reminds pills and monitor continuously by using RTC module
168	An Rfid Based Smart Evm System For Reducing Electoral Frauds	The main objective of this project is to design EVM system using RFID technology for preventing Electoral Frauds
169	Intelligent Food And Grain Storage Management System For The Warehouse And Cold Storage	
170	Prototyping Of Class-attendance System Using Mifare 1k Smart Card And Raspberry Pi 3 (Domains / WSN)	
171	Raspberry Pi Base System Architecture For Tracking Passengers Inside An Airport Terminal Using Rfid	
172	Bi-directional Li-fi Communication For Transmitting Data, Audio Information Using Arduino	
173	A Blind Navigation System Using Rfid For Indoor & Outdoor Environments Using Raspberry Pi	
174	Automated Blood Bank blood bank using GSM (Domains / WSN)	
175	Toll Gate Traffic Monitor And Analyze Using IoT (Domains / WSN)	
176	Bore well water quality and motor based on IoT gateway	
177	RFID Based Attendance System With Automatic Door Unit	The main objective of this project is to create an RFID based attendance system. When the student scans his tag and the data shown is valid, the door will open otherwise it won't.
178	Person Fall Detection Using NodeMCU (Domains / WSN)	
179	Fingerprint Based Exam Hall Authentication (Domains / WSN)	
180	An Indoor Autonomous Guided Vehicle Based On Electromagnetic Tracking And Positioning I-beacon	

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181	Real Time Ethernet Control Communication For Robotic Arm Application By Using Raspberry Pi	
182	The Car Door Safety System With Wireless Alert Transmission	
183	Pricing Data Tampering In Automated Fare Collection With Nfc-equipped Smart Phones (Domains / WSN)	
184	Multi-sensor Integrated System For Wireless Monitoring Of Greenhouse Environment (Domains / WSN)	
185	Passenger Localization For In-vehicle Personalization Using Ble Beacons (Domains / WSN)	
186	Edge Computing-based Intelligent Manhole Cover Management System For Smart Cities (Domains / WSN)	
187	An Iot Based Multi-parameter Data Acquisition System For Efficient Bio-tele Monitoring Of Pregnant Women At Home	
188	Fingerprint And Iris Biometric Controlled Smart Banking Machine Embedded With Gsm Technology For Otp	
189	High Protection Voice Identification Based Bank Locker Security System With Live Image Authentication	
190	Voter Identification And Detection System Using Rfid And Gsm To Stop Rigging In The Elections	
191	Raspberry Pi Based Vehicle Starter On Face Detection	This project is embedded automotive security system involving face recognition. The system can be used to reduce the increased vehicle theft which will give shock when an intruder tried to start the engine.
192	Secure Fingerprint Bank Locker With Image Capture	The main objective of this project is to Open and close Bank locker using secure fingerprint
193	An Agent-based Iot System For Intelligent Energy Monitoring In Buildings	

Contact Details-

Website - www.trinitytechnologies.in

Email_ID – contact@trinitytechnologies.in

+919975600245; +918484857487

194	An Automatic Rfid Detection Based Railway Identification System	
195	Statistical Analysis Of Co2 Emission Based On Road Grade, Acceleration And Vehicle Specific Power For Public Utility Vehicles: An Iot Application	
196	Novel Ibeacon Placement For Indoor Positioning In Iot	
197	Safeguard Pilgrims Through Smart Environment With Raspberry Pi (Domains / WSN)	
198	A Mobile-sensor-cloud Based System To Safeguard Pilgrims Through Smart Environment With Raspberry Pi (Domains / WSN)	
199	Design And Implementation Of Touch-screen By Human Skin For Appliances Using Arduino (Domains / WSN)	
200	Sensepods: A Zigbee-based Tangible Smart Home Interface With Raspberry Pi (Domains / WSN)	
201	Analysis Of Three Iot-based Wireless Sensors For Environmental Monitoring Using Raspberry Pi	
202	Analysis Of Three Iot-based Wireless Sensors For Environmental Monitoring Using Raspberry Pi	
203	Raspberry Pi Real-time Flood Alert System For Parking Lots	
204	Raspberry Pi Driver Behavior Assessment Based On Loosely Coupled Gps/ins Integration In Harsh Environment	
205	Edge Computing-based Intelligent Manhole Cover Management System For Smart Cities Using Raspberry Pi	
206	Edge Computing-based Intelligent Manhole Cover Management System For Smart Cities Using Raspberry Pi	

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207	Development Of Reverse Vending Machine (rvm) Framework For Implementation To A Standard Recycle Bin Using Raspberry Pi (Domains / WSN)	
208	Novel Wearable Sensor Device For Continuous Monitoring Of Cardiac Activity During Sleep	The main objective of this project is to monitor blood pressure and temperature continuously through a wearable device
209	To Create a Robotic Humanoid Hand Imitating the Real Time Motions of a Human User's Hand	
210	Adjustment Of Bed For A Patient Through Gesture Recognition: An Image Processing Approach	
211	Wireless Communication Technologies For Smart Grid (wams) Deployment	
212	Design Of Touch-screen By Human Skin For Appliances	
213	Drunken Driving Detection Using Car Ignition Locking	
214	Optimized Sensor Based Smart System For Efficient Monitoring Grain Storage (Domains / WSN)	
215	Raspberry Pi Based Intelligent Autonomous Campus Mobility Services	
216	Smart Ration Card System Using Rfid And Embedded System	
217	Battery-less Soil Moisture Measurement System Based On A Nfc Device With Energy Harvesting Capability	
218	Rfid Based Pesticides Dosing With Automatic Plant Irrigation For Agriculture Applications (Domains / WSN)	
219	Arduino Based Vehicle Seat Vacancy Identification	
220	Design Of The Intelligent Control System Of Classroom Based On Arduino	

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+919975600245; +918484857487

221	Women Safety and Tracking System (Domains / WSN)	The main objective of this project is to track women who are in danger with GPS and send messages to dearest ones
222	Accident Detection & Automatic Alert System (Domains / WSN)	
223	Bus Stop Reminder For Blind Person Using Rfid	With the help of rfid technology, we guide blind people whether they've reached their destination station or not
224	Device to check for harmful chemicals in vegetables and fruits	The main objective of the project is to develop a device that would identify and measure the amount of harmful chemicals present on the skin and inside the vegetables and fruits
225	Solution for decreasing peanut production due to climatic changes	The main objective is to analyse the climate changes in the field and updating the farmer to make peanut production only in that particular climatic condition
226	Agronomics (Domains / WSN)	
227	Smart Auto Billing Shopping Trolley (Domains / WSN)	The main objective of this project is to generate automatic billing and displaying on PC in the counter using Zigbee technology
228	Car Accident Location and Location Tracking (Domains / WSN)	The main objective of this project is to find the vehicle where it is and locate the vehicle by means of sending a message when an accident occurs.
229	Underwater Transmission of Audio and Text Signal Using LIFI Technology	The main objective of this project is to transmit audio and text signal using Li Fi technology
230	Internal Crack Detection in Cylindrical Concrete using Coupled Sensors (Domains / WSN)	The main objective of this project is to detect cracks by using Ultrasonic sensor and sending location to Authorities through message
231	Automatic Shopping Carts (Domains / WSN)	The main objective of this project is to assist a person while shopping and also to avoid standing in long queues and thus saving time
232	Lorafarm: Lorawan based Smart Farming Modular IOT Architecture	The main objective of this project is to continuously checks the conditions of temperature, humidity and soil moisture in the field and updates to the farmer using LoRa wireless communication device
233	Prepaid Energy Meter Using Smart Card (Domains / WSN)	The main aim of this project is to recharging the Energy meter, using a smart card in Low balance Conditions. This project is implemented using Arduino and RFID Reader, RFID Tags as smart cards, LCD for monitoring the project status.

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234	RFID and GPS Combination Approach Implementation in Fisher Boat Tracking System (Domains / WSN)	The main objective of the project is to implement RFID and GPS based Fisher Boat tracking. The boat location can be traced and RFID tags of UID numbers are obtained.
235	System of Detection and Scanning Bar Codes from Raspberry Pi Web Camera	The main objective of this project is to scan the bar code labels on the grocery items or other and send the data or link through GSM along with the IOT Platform.
236	Rfid Based Pesticides Dosing With Automatic Plant Irrigation For Agriculture Applications Using 8051	
237	Bi-directional Li-fi Communication For Transmitting Data, Audio And Image Information	
238	Speed Control Of Electric Vehicle By Using Arm 7	
239	Accident Detection and Alert System (Domains / WSN)	
240	Novel Ibeacon Placement For Indoor Positioning In Iot	
241	Voice Controlled 230v Lamp Dimmer With 10 Levels Of Intensity Control	
242	The High Security Smart Helmet Using Internet of Things	The main objective of this system is to design a helmet that provides safety to motorcyclist or to any bike rider by preventing drunk and drive. It detects accident and alert the guardian about accident and engine doesnot get started if alcohol is detected.
243	Automatic Gas Cylinder Booking Over Iot (Domains / WSN)	
244	Iot Based Digital Signage Board Using Raspberry Pi 3	
245	Women Safety System (Domains / WSN)	The main objective of this project is to save the women in danger by sending their location details to dearest ones through mail
246	An Agent-based Iot System For Intelligent Energy Monitoring In Buildings	

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247	Raspberry Pi Based Car Door Safety System With Wireless Alert	This project presents a car door safety system which has two major features that are sense when car door is opened and alert when the car crash detected. The car door safety system which this project presented is based on popular microcontrollers and sensors, it is easy to build, integrate and low cost. It transmit alert to configured SIM via GSM/GPRS module and also data updated in server when the door opened and crash detected.
248	Prototype Desogn of an Iot Enabled Cost Eeficient Portable Heart Health Data Acquisition System	
249	An Automatic Recognition Of Fake Currency Note Using Raspberry Pi	
250	Intelligent Autonomous Campus Mobility Services Using Arduino	
251	Design And Implementation Of Human Motion Information Collection System	
252	An Automatic Rfid Detection Based Railway Identification System	
253	Raspberry Pi and GSM Based Smart and Billing System	
254	A Smartphone-based System For Improving Pedestrian Safety	
255	Drunken Driving Detection Using Car Ignition Locking	
256	Analysis Of Three Iot-based Wireless Sensors For Environmental Monitoring	
257	Secure And Robust User Authentication Using Partial Fingerprint Matching	
258	Raspberry Pi And Gsm Based Smart Energy Meter For Advanced Metering And Billing System	
259	Continuous Arm Gesture Recognition Based On Natural Features And Logistic Regression. (Domains / WSN)	
260	Multi-sensor Integrated System For Wireless Monitoring Of Greenhouse Environment (Domains / WSN)	

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261	Edge Computing-based Intelligent Manhole Cover Management System For Smart Cities (Domains / WSN)	
262	The Methodology Review Of Traffic Safety Monitoring By Using Video Recording For Express Bus	
263	Low Cost Nano Satellite Communication System Using Gnuradio, Hackrf, And Raspberry Pi	
264	Bi-directional Li-fi Communication For Transmitting Data, Audio And Image Information	
265	Development Of Reverse Vending Machine (rvm) Framework For Implementation To A Standard Recycle Bin	The main objective of this system is we can reuse wastages and can easily know how much amount of wastages we are reusing in our day to day life by getting message to the pre-registered mobile number as points.
266	Water Level Monitoring And Dam Gate Control Over Iot	The main objective of this project is to monitor the water level and to control the dam gate using IOT without human involving. Here we are trying to reduce the man power by including IOT controlled dam gate opening/ closing.
267	Integrated Cafeteria Management System Using Rfid	
268	Lightweight Rfid Protocol For Medical Privacy Protection In Iot	
269	Real-time Monitoring Of Bone Fracture Recovery By Using Aware, Sensing, Smart And Active Orthopedic Devices	
270	Real-time Monitoring Of Bone Fracture Recovery By Using Aware, Sensing, Smart And Active Orthopedic Devices	
271	A Smartphone-based System For Improving Pedestrian Safety Using Raspberry Pi (Domains / WSN)	
272	8051 Based Smartphone-based System For Improving Pedestrian Safety	
273	Intelligent Manhole Cover Management System For Smart Cities	
274	Intelligent Manhole Cover Management System For Smart Cities	

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275	Designing and Control of Autonomous Unmanned Ground Vehicle	
276	Mobile Based Robot for Rescue Competitions (Domains / WSN)	
277	Iot Based Bridge Safety Monitoring System (Domains / WSN)	
278	A Real-time Flood Alert System For Parking Lots	
279	Raspberry Pi Based Road Side Detection And Tracking	In this project, we are able to detect the tracks using opencv and raspberry pi. By this we can make a self-controlled car that follows the lane. Here we are using raspberry pi and a camera for detecting lanes and the frame will be displayed on the monitor.
280	Iot Based Liquid Level Monitor (Domains / WSN)	
281	Design Of Arm Based Embedded System For Industrial Application Using Tcp/ip Network (Domains / WSN)	
282	Sensepods: A Zigbee-based Tangible Smart Home Interface	
283	Wireless Operated War Field Land Rover That Alerts On Sensing Planted Land Mines (Domains / WSN)	
284	A Real-time Flood Alert System For Parking Lots	
285	Fingerprint And Iris Biometric Controlled Smart Banking Machine Embedded With Gsm Technology For Otp	
286	Prototyping Of Class-attendance System Using Arduino	
287	Development of Bluetooth Based Indoor Positioning Application	
288	Effective Natural Communication between Human Hand and Mobile Robot Using Raspberry-Pi	
289	A Conveyor-belt Based Pick-and-sort Industrial Robotics Application	
290	Developing Fish Feeder System Using Raspberry Pi	

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291	Rfid Based Airport Luggage Checking And Tracking System Using Gsm Technology (Domains / WSN)	
292	Smart Pilgrim: A Mobile-sensor-cloud Based System To Safeguard Pilgrims Through Smart Environment	
293	Smart Pilgrim: A Mobile-sensor-cloud Based System To Safeguard Pilgrims Through Smart Environment	
294	Sensepods: A Zigbee-based Tangible Smart Home Interface	
295	System Architecture For Tracking Passengers Inside An Airport Terminal Using Rfid (Domains / WSN)	
296	System Architecture For Tracking Passengers Inside An Airport Terminal Using Rfid (Domains / WSN)	
297	Rfid Based Secure Smart School Bus System (Domains / WSN)	
298	Automatic Movable Railway Platform With Train Arrival Detection	The main objective of this project is to automate railway track pedestrian crossing without using staircase and announce status of arrival for platform users
299	Detection Of Pedestrian Crossing For Safe Driving	
300	Detection Of Pedestrian Crossing For Safe Driving	
301	Automated Door Opener With Lighting Control Using Raspberry Pi	
302	Clean Energy Consumption Of Power Systems Towards Smart Agriculture: Roadmap,	
	Bottlenecks And Technologies (Domains / WSN)	
304	Smart Ration Card System Using Rfid And Embedded System	
305	Accurate Speed Control Of Electric Car Using Arm	
306	Rfid Based Animal Tracking System (Domains / WSN)	

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307	Design And Implementation Of An Interactive Road Safety System For Young Bikers Using Raspberry Pi	
308	An Intelligent Dress Uniform Identification System Using Arduino	
309	Analysis Of Wireless Sensors For Environmental Monitoring Using 8051 (Domains / WSN)	
310	The Car Door Safety System With Wireless Alert Transmission Using 8051	
311	Continuous Arm Gesture Recognition Based On Natural Features And Logistic Regression Using Arduino	
312	Low Cost Nano Satellite Communication System Using Arduino	
313	8051 Based Blind Navigation System Using Rfid For Indoor & Outdoor Environments (Domains / WSN)	
314	A Wireless IOT System Towards Gait Detection in Stroke Patients	
315	A Wireless IOT System Towards Gait Detection in Stroke Patients	
316	Rfid Based Secure Smart School Bus System (Domains / WSN)	

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