

CODE	TITLE	APPLICATION / DESCRIPTION
VTIOT01	Enhancement of IoT based Flood Detection and Prevention using Controller with WiFi Module	Description : The overflow of water from a lake or river usually causes flooding. Sometimes, a dam breach might result in the unexpected release of vast quantities of water. In this system, a controller is connected to four separate sensors: a humidity sensor, a flow sensor, a float sensor, and an ultrasonic sensor. When flooding conditions are detected, the system warns the nearby villages and places and estimates how long it would take for help to reach at a particular location
VTIOT02	IOT-Enabled Vacuum Cleaner Using Raspberry Pico	Description: Automatic vacuum cleaner using Controller that can be controlled by using smartphone. This vacuum robot is capable of cleaning the entire floor of homes, rooms, and offices. this provides a wireless control even when the user is not at home so long as they are connected to wi-fi, and it can also be controlled automatically without the assistance of others
VTIOT03	Solar Fed Flood Alert System Using Raspberry Pico	Description: The most destructive natural calamity in the world is flooding. In the event of a severe flood, In order to inform residents to take immediate action, IoT-based flood warning systems are a desirable option for disaster management due to the development of Internet of Things (IoT) technology and the availability of inexpensive sensors. Flood monitoring and warning have been accomplished using a variety of IoT implementation techniques
VTIOT04	Design of Wireless Industrial Internet of Things	Description: In this project we detect industrial hazards like fire, smoke, temperature and humidity and we stop the machines in industries automatically if hazard occurs.
VTIOT05	IoT Healthcare System for Smart Home	Description: In this project we monitor body temperature and pulse of residents and send the data to respective family doctor automatically if anything goes wrong
VTIOT06	Design and Implementation of an IoT-Enabled Smart Street Lighting System	Description: In this project we propose smart street lighting system by checking vehicle presence and if vehicle present we automatically switch on street lights and also we verify the working of street lights by using sensors
VTIOT07	Design of restaurant intelligent seat-seeking system	Description: In this project we detect the incoming and outgoing persons by using two IR sensors and based on the count we identify the seats available in the restaurant and display the information to the incoming persons through OLED.
VTIOT08	Smart Healthcare device based on IoT	Description : In this project doctor has the facility to monitor the health of the patient in continuous time interval from where ever he is and can give the necessary treatment immediately if required
VTIOT09	Air Monitoring with Cloud and IoT	Description: In this project we do air monitoring for residential areas by employing sensors. We check factors like temperature, humidity and smoke in air and take the necessary actions based on the factors

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VTIOT10	Robotic Car Using Raspberry-Pico Module	Description : In this Project we control the Robotic Car in four directions using an android app through Bluetooth.
VTIOT11	Continuous Health Monitoring System for Patients Using IoT	Description: In this project we regularly monitor the patients' health condition and sent the data to doctor and care taker at regular intervals and can take the necessary precautions immediately when patient in need.
VTIOT12	IoT Based Smart Way of Watering Plants and Feeding Pets	Description: In this Project we check soil moisture, temperature and humidity ,based on the data we water the plants automatically. For feeding pets we check the availability of food in the container and if the container empty we drop food in it automatically
VTIOT13	Smart Healthcare Monitoring System Using IoT Technology	Description: Health monitoring is the serious problem in today's world. Because of absence of appropriate health monitoring, quiet experience the ill effects of genuine medical problems. To take care of this issue, there are lot of IOT devices are there to monitor the health of patient automatically now days. A smart health monitoring system is put into practice which utilizes heart beat and blood pressure sensors associated with Controller board to keep track the health of a patient
VTIOT14	Design and Implementation of IoT based Energy Efficient Smart Metering System for Domestic Applications	Description: In this project we monitor the power going through the meter and once the cut off is reached, power automatically gets stopped and need to recharge to get the power back.
VTIOT15	Monitoring and Warning of Flooding Conditions Using IoT Based System	Description: The study concluded that the proposed sensor could precisely determine the location of an incoming object and present that information as a distance on the ThingSpeak Cloud Platform. Concurrently, the sensor shows off LED indicators for your eyes to feast over. Based on data from a Controller, this system uses the Internet of Things to issue warnings to the proper authorities ahead of time of any impending floods
VTIOT16	Women's Smart Self Defense Device	Description: This project is for women self defense. A device is given to women. This device sends the location of the women in regular intervals to care takers. If the location is found suspicious we can take the action
VTIOT17	A Smart and Secure Agricultural System Using IoT	Description : In this project we check soil moisture, temperature, humidity and fire occurrence. If fire occurs in farm water pumps automatically and also all the sensor readings is sent to the farm owner instantly
VTIOT18	IoT based Circuit Breaker with Access Control	Description: This project is for IoT based Circuit Breaker. In this project we employ RFID Reader. Using the tags we can control the appliances in the home or office.

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VTIOT19	Design and Implementation of an IoT Based Solar Power Monitoring System	Description: In this project we check the solar panel parameters like voltage and current it produces and can know it through OLED display
VTIOT20	Industrial Automated Multipurpose Robot Using WIFI	Description: In this project we can control the robot in any direction through android app with the help of ZigBee.
VTIOT21	IoT Based Neonatal Patient Monitoring System	Description: To analyze them, several devices exist designed to measure parameters such as temperature, humidity, and noise level inside the baby's chamber. A complete analysis consists of 9 tests with a duration of 5 hours and 56 minutes overall. During this time, the workflow of the incubator is interrupted. The objective of this research is to develop an controller based prototype capable of monitoring the parameters inside the chamber
VTIOT22	Optimal Utilization of Water for Smart Farming Using Internet of Things (IoT)	Description: In this project we check parameters of farm like soil moisture, temperature and humidity. Whenever soil moisture is less, temperature is more and humidity is less watering is done automatically also the sensor details will be sent to farm owner through GSM.
VTIOT23	IoT based Parent Health Monitoring using Thingspeak	Description: In this project we monitor the parent health factors like body temperature, pulse rate and parent location can be monitored through Thingspeak and can give the treatment whenever the parent in need.
VTIOT24	Intelligent Condensation Irrigation System Based on Internet of Things	Description: In this project we check the farm factors like temperature, humidity and soil moisture and watering is done automatically whenever in need
VTIOT25	Pehchaan: A Touchless Attendance System	Description: In this project we detect the student by PIR sensor and by RFID his attendance is registered and can see the confirmation on OLED.
VTIOT26	Automatic Monitoring and Controlling of Wi-Fi Based Robotic Car	Description : This project is for controlling of Robotic car through Wi-Fi. We can control the car in any direction using Wi-Fi by mobile with the help of Zigbee and when obstacle is detected the car automatically stops with the help of ultrasonic sensor.
VTIOT27	IoT based Smart ID Card for Working Woman Safety	Description: This project is for Woman Safety. Whenever the women is in danger she will switch on panic switch and large sounds are detected by the sound sensor and her location, all sensor details is sent to police station and caretakers and thus can take the immediate action.

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VTIOT28	IoT-Based Garbage Gas Detection System	Description: In this project we detect temperature, humidity and gas level in houses and if these levels are more exhaust fan will be on immediately.
VTIOT29	IoT Detection based Energy Meter Integrated with Smart Devices	Description: Goal of this paper is to provide an implementation model for detecting electrical energy theft without involving humans. This framework's goal is to decrease instances of energy theft and mishaps that result from it
VTIOT30	School Bus Monitoring and Security System using IoT	Description: In this project if the school bus is found to be driven unsafely, children will on the panic switch and alcohol sensor detects whether the driver is drunk after the location of the school bus is sent to school organization, parents and police station
VTIOT31	Raspberry Employed Power Theft Controller and IoT based Load Controlling for Smart Energy Meter System	Description: A proper monitoring and controlling of energy consumption as well as detecting the power theft if anyone is trying to theft the electricity. It is controlling the power theft if anyone tries to theft electricity. With the implementation of IoT, which is required controller i.e., not only controlling the loads which are connected to a 4xl channel relay but also providing the details of energy consumption to IoT interface so that information can be used by the consumer
VTIOT32	IoT Based Smart Poultry Farm Monitoring	Description: This project is for smart poultry farm monitoring. If the temperature, humidity and gas level is more in poultry farm exhaust fan will on and if the light is less bulb will gets on which is done by LDR sensor.
VTIOT33	IoT Based Intelligent Greenhouse Farming Technology with Low Cost and Energy Efficiency	Description: This project is for Intelligent Greenhouse farming. If the temperature is more, humidity is less and soil moisture is less motor will gets on and pumps water and readings can be seen on OLED.
VTIOT34	IoT Based Remote Surveillance for Animal Tracking Near Railway Tracks	Description: This project is for animal tracking near railway stations. Train arriving is detected by the vibration sensor and animal presence on the track is detected by the PIR sensor and sends the details to controller in the train and the train immediately stops
VTIOT35	Real- Time Healthcare Monitoring and Treatment System Based Microcontroller with IoT	Description : This project is for Healthcare Monitoring and Treatment System. We check temperature and humidity of the room of the patient. If it is more fan will be on also we check the body temperature and pulse rate of the patient if it is abnormal a message will be sent to the doctor immediately by GSM.
VTIOT36	Revolutionizing Farming with IoT: Smart Irrigation System for Sustainable Agriculture	Description: This project is for smart irrigation system. In this project we check for temperature, humidity and soil moisture if these are found abnormal motor will be turned on and water gets pumped.

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VTIOT37	Brightness Controlled Solar Powered Intelligent Street Light	Description: This project is for Brightness Controlled Solar Powered Intelligent Street Light. With the help of solar panel we get power and with the help of LDR sensor light intensity gets detected based on that brightness of the street light gets controlled
VTIOT38	Design and Development of IoT Based Weather and Air Quality Monitoring Station	Description: This project is for Weather and Air Quality Monitoring. In this project we check factors like temperature, humidity, rain presence and smoke level. All these factors can be viewed on OLED display
VTIOT39	Smart Energy Meter and Monitoring System using Internet of Things (IoT)	Description: This project is for Smart Energy Meter Monitoring. In this project we check voltage and current flowing through the meter. With this we can get the power used by the house and thus identify the theft if any.
VTIOT40	Automated Horticulture for Farmers Using IoT	Description: This project is for Automated Horticulture for Farmers. In this project we check factors like temperature, humidity and soil moisture level. If these are found abnormal motor will get on and water pumped automatically.
VTIOT41	Development of IoT based Health Monitoring System for Disables using Microcontroller	Description: This project is for Health Monitoring for Disables. In this project we check body temperature and pulse rate of disables. If anything wrong then immediately a message will be sent to doctor and thus can immediately give the treatment.
VTIOT42	Solar Powered Smart Water Monitoring System Based on IoT	Description: This project is for Smart Water Monitoring System. In this project two turbidity sensors are used, one at entrance and exit of the water tank. At entrance water contaminated level is identified by turbidity sensor and then water enters tank after purification is done, water gets out from exit and enters the valve 1. The turbidity sensor at valve 1 checks for water purity and if it is not valve 1 gets closed and water directed to the tank again. If the water is good water enters valve 2 and we can use it.
VTIOT43	Empowering Women's Safety with smart IoT Technology: A Robust Protection System	Description: This project is for Women's Safety and Protection System. If the woman is in danger she will press the switch and automatically her location is sent to police station and care takers via GSM and can take the action immediately.
VTIOT44	A smart energy meter using IoT for monitoring and control energy via web application	Description : This project is for smart energy meter monitoring. We detect the power flow to the Energy Meter with the help of voltage sensor and the current sensor and we can get the power used and thus we can detect the power theft.
VTIOT45	Integrated Ambulance System	Description: A biomedical system is made up of numerous sensors that are used to observe how a human being's physical processes work. These different sensors include sensors for measuring oxygen levels, heartbeats, and temperature. Over someone's croquette, it is a non-intrusive device

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VTIOT46	Activity monitoring and location sensory system for people with mild cognitive impairments	Description: This project is Cognitive impairment diseases proposed indoor room-level localization system based on infrared sensors, an accelerometer for a step detector algorithm
VTIOT47	An integrated scalable framework for cloud and IOT based green healthcare system	Description: Project is about healthcare, This system interface for patients and doctors, where patients can send their healthcare data using wearable sensors, and doctors can receive those data in real-time
VTIOT48	Artificial Intelligence and Internet of Things for Sustainable Farming and Smart Agriculture	Description: This project is Sustainable Farming and Smart agriculture This work initially analyses existing Internet-of-Things technologies used in Smart Sustainable Agriculture (SSA) to discover architectural components that might facilitate the development of SSA platforms
VTIOT49	Women Safety Night Patrolling IoT Robot	Description: Women Safety Night Patrolling IoT Robot is designed for street surveillance to monitor a live update to the control room during nighttime. This also comes with a unique alarm feature that gets triggered when it receives an abnormal level of sound from the environment. This night patrolling robot notifies society's people whenever a woman shouts for rescue. This prototype is predefined to patrol the street at night time. Two robots are installed for a road, and the primary purpose of this project is to ensure public safety in emergencies.
VTIOT50	CBASH: A CareBot-Assisted Smart Home System Architecture to Support Aging-in-Place	Description: Project is about Smart Home system To address this problem, this paper proposes a smart home system architecture integrating a mobile robot with better event perception and task execution performance
VTIOT51	Contactless WiFi Sensing and Monitoring for Future Healthcare - Emerging Trends, Challenges, and Opportunities	Description: This paper reviews the current state-of-the-art research on collecting and analyzing channel state information extracted using ubiquitous WiFi signals, describing a range of healthcare applications and identifying a series of open research challenges, including untapped areas of research and related trends
VTIOT52	Design of an Intrusion Detection Model for IoT-Enabled Smart Home	Description: The main objective of the present paper is to propose a design of an efficient intrusion detection model with high accuracy, better time efficiency, and reduced false alarm rate. The threat detection rate is greater than 90% and less than 100%. Time complexity of LGBM is also very much low as compared to other ML algorithms
VTIOT53	Design and Implementation of a Pilot Model for IoT Smart Home Networks	Description : This project is Pilot model for Smart Home Network However, the rapid growth of IoT networks suffers from some limitations, such as heavy traffic load, traffic congestion, etc. In this paper, a parallel distributed smart home architecture is proposed to solve human-being problems and achieve welfare in society
VTIOT54	Design, Implementation, and Practical Evaluation of a Voice Recognition Based IoT Home Automation System for Low-Resource Languages and Resource-Constrained Edge IoT Devices	Description: Project is about Voice recognition Based Home automation system Through Android smart phone Controlling the Home automation

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VTIOT55	Industries Fire Accident Tracking System based on Internet of Things using Controller	Description: This proposed system integrates the Internet of Things (IoT) with fire detection and tracking systems. It can detect gas, temperature, flame, etc., and send that information to a Wi-Fi module, providing prevention guidelines for employees or end users
VTIOT56	Smart Farming and Consumed Energy Comparison Using the Internet of Things	Description: This research investigated hydroponics and electrical energy consumption concerns for prototype design. This work employed variety sensors for temperature, electric current, and voltage sensing, respectively. The control parts were a microcontroller board, and the output parts were the growing light LEDs, LCD, DC water, and peristaltic pumps
VTIOT57	IoT Based Non-Intrusive Automated Driver Drowsiness Monitoring Framework for Logistics and Public Transport Applications to Enhance Road Safety	Description: This project is about drowsiness monitoring in Road Safety, to control Drowsiness detection is based on detecting sleeping, yawning, and distraction behaviors using an image processing-based technique. using IR Sensor and GRIP Sensor it Gives alertness of the user
VTIOT58	Open Sensing System for Long-Term, Low-Cost Water Quality Monitoring	Description: This project is about Water Quality monitoring system, it sensing the level of water quality Low cost using sensors
VTIOT59	Anomaly Detection for Electric Energy Consumption in Smart Farms	Description: This article proposes Electricity Talk, an Internet of Things (IoT) platform for smart farms, which integrates the artificial intelligence (AI) mechanism with farming IoT devices for electric energy prediction and anomaly detection.
VTIOT60	Scheduling and Predictive Maintenance for Smart Toilet	Description: This project is about Maintenance for Smart Toilets, So Modern society needs bathrooms, to maintain smart using Infrared, temperature and humidity sensors create an IoT bathroom, No need of human Help
VTIOT61	Smart Farming Robot for Detecting Environmental Conditions in a Greenhouse	Description: Project is about Smart Farming Robot for Detecting, here robot that moves through greenhouse crop paths with previously-planned routes and can collect environmental data provided by a wireless sensor network.
VTIOT62	Smart Glove With Fully Integrated Textile Sensors and Wireless Sensor Front end for the Tactile Internet	Description : The individual finger motions are measured via resistive strain sensors. The strain sensors are directly integrated with the textile glove and are produced in an automated process. The sensor glove is integrated with sensor conditioning, controller, wireless frontend, and battery
VTIOT63	Smart Office Chair for Working Conditions Optimization	Description: This project is about Smart office chair, The chair enables the interaction with control equipment to adjust the comfort level, and The system also allows monitoring environmental parameters such as temperature; relative humidity Sensors

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VTIOT64	Smart Phone Inertial Measurement Unit Data Features for Analyzing Driver Driving Behavior	Description: Driving behavior is an important aspect of maintaining and sustaining safe transport on the roads. It also directly affects fuel consumption, traffic flow, public health, and air pollution along with psychology and personal mental health. This study leverages the IMU data recorded using a smartphone placed inside the vehicle
VTIOT65	Stress Analysis and Care Prediction System for Online Workers by IoT	Description: Working from home (WFH) online during the covid-19 pandemic has caused increased stress level. Online workers/students have been affecting by the crisis according to new researches. Our main goal is to provide best solution for the online workers to have healthy lifestyles. Updates for the users will be provided according to the feedback we will have in the future from the users
VTIOT66	Agrobot: Agricultural Robot using IoT	Description: The primary objective is to assist farmers and agriculture industries to thrive so that there can be less occurrence of food shortages by efficiently increasing the production of crops tenfold, analyzes the soil fertility for better plant growth, helps prevent plant epidemic by analyzing which fertilizer is better suitable for the protection of the plant to analyze the weather and the plants that is suitable to grow in the particular weather condition and predict the occurrence of natural disasters such as droughts and floods for early prevention from the crops
VTIOT67	Automatic Medical Dispatcher with Dynamic Tele Monitoring System Using IOT in Rural Zones	Description: We propose an install Heart Beat, Temperature sensor; Ultrasonic sensor, load cell, and Camera are also connected to the Medical machine, Medical counter user and is monitor from the remote area
VTIOT68	Wearable Technology in Jacket For Tracking Person Health And Safety Using IOT	Description: The goal is to integrate Information Technology (IT) into clothing to provide users with functions to assist them in their tasks. Wireless body area network (WBAN) are rapidly becoming increasingly available, accessible and importantly affordable, hence their application into healthcare to enhance the medical use of data is certain
VTIOT69	IOT Based In-plantable AI Pill (Tablet) Development for Medicine Tracking	Description: Digital pill is basically a multichannel sensor used for remote biomedical measurements using micro technology. This is used for the real-time measurement parameters such as temperature, conductivity and dissolved oxygen
VTIOT70	IOT Based Smart Multi Application Surveillance Robot	Description: To monitor the border of the nation by using robots, The information will be transmitted through the WSN transmitter. It has two mode of operation which are Automatic and Manual mode. In robot section, Robot monitors the boundary compare with the information from the WSN receiver.