

# **IoT (Internet of Things) PROJECTS 2023 - 24**

- 1.** Lungs/Breath Respiratory Health Analyzer And Monitoring Over IOT
- 2.** IOT Based Vehicle Over Weight Safety System
- 3.** IOT Based Gas Cylinder Level And Leakage Detection Using Arduino
- 4.** IOT Based Human Weight Measurement Using RFID And Load Cell
- 5.** IOT Based Advanced Smart Cradle For Baby Monitoring System
- 6.** Weather Imaging CubeSat with Telemetry Transmission
- 7.** ESP32 cam based Door Bell with Image capture and Send to Gmail
- 8.** IOT based Three Phase Power Failure Monitoring with SMS Alerts
- 9.** IOT Based Heart Monitoring System Using ECG Technology
- 10.** Innovative complete solution for health safety of children unintentionally forgotten in a car
- 11.** IOT Based Fire Department Alerting System using Node MCU and GSM Technology
- 12.** IOT Energy Meter Current Voltage & Cost Monitoring system for Remote Monitoring for any location.
- 13.** IOT BASED OCCUPANCY MONITORING TECHNIQUES FOR ENERGY EFFICIENT SMART BUILDINGS
- 14.** IoT based Baby monitoring System - With Wireless Camera Monitoring and Cradle Prototype
- 15.** Vehicle to Vehicle Communication using Multiple Sensor and IoT Thingspeak based Real-time Monitoring
- 16.** IoT based Wireless Charging System for Domestic and Industrial Applications

## *2023-2024 IOT Projects, Academic Project Support, Rjy*

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*Contact :: K.Pradeep Kumar – 9032281883, 9618603155*

- 17.** RFID based Secured Attendance System with time and Date update on Google Sheets
- 18.** Fingerprint / Bio-metric based Attendance System with Real-time Logging on Google sheets
- 19.** IOT based ICU patient monitoring system using heart beat, spo2, temp and accelerometer for covid 19 hospitals
- 20.** MQTT Server based Real-time Load Control System for industries or Domestic Application
- 21.** IOT based PET feeding device for Dog - Fish from any remote Location
- 22.** Solar based 4 Channel DC Lights Control System for Lab - Classroom using IOT Technology
- 23.** Google Sheet based Pollution Monitoring and Real-time Logging System using IoT Technology
- 24.** Zigbee based reliable data Transmission over PC to monitor the Health Parameters of Single Phase Induction Motor
- 25.** Intelligent And Safe Medication Box In Health IOT Platform For Medication Monitoring System With Timely Reminders
- 26.** Waste Contamination In Water – A Real-Time Water Quality Monitoring System Using IOT
- 27.** IoT based Wireless Electric Notice Board using P10 – 1 Feet LED Display for School, College or Bus Stand to display Important Notification
- 28.** Smart Car Parking Monitoring System by Using RFID
- 29.** IOT based blood bank management system
- 30.** Design and implementation of smart hospital using IOT

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- 31.** Device for gesture to speech conversion for the mute community
- 32.** Monitoring of Industrial Electrical Equipment using IOT Development
- 33.** Design of an intelligent management system for agricultural greenhouses based on the internet of things (IOT)
- 34.** Wireless Machine to Machine Communication with Multiple Sensors, between two devices using IOT
- 35.** Monitoring 3 Phase System Power Failure with SMS Alerts using GSM Technology
- 36.** Design and implementation of smart hospital using IOT
- 37.** design and implementation of an agricultural monitoring system for smart farming
- 38.** An IOT Design Approach to Residential Energy Metering, Billing and Protection
- 39.** Implementation Of IOT Based Smart Assistance Gloves For Disabled People
- 40.** IOT Enabled Power Monitoring And Control Of Single Phase Induction Motor
- 41.** Blind Aid Stick: Hurdle Recognition, Location Tracking using GPS Along With Panic Alert System
- 42.** Google Assistant based Home Appliances Control by Saying “OK Google” with Interactive Voice Response (Based on Alexa / Google Home Model)
- 43.** Transmission Line Cut off Faults Detection and Indication to Electricity board using GSM and IOT
- 44.** IOT based parking slot detection system using web interface / android application
- 45.** IOT based bio metric recognition system based digital voting machine
- 46.** An IOT Design Approach to Residential Energy Metering, Billing and Protection
- 47.** IOT Enabled Power Monitoring and Control of Single phase induction Motor
- 48.** Development of LPG Leakage Detection and Auto Exhaust System using IOT
- 49.** Node MCU based Fire Safety and Air quality Monitoring Device

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- 50.** Smart Farming system using IOT for efficient Crop Growth
- 51.** IOT based Temperature based Scan and Door Opening System for School and Colleges to follow COVID NORMS
- 52.** IOT Control Based Wireless Medicine Robot for COVID Hospitals
- 53.** Advance Hybrid Energy Efficient Power Source using Wind and Solar Energy with IOT Technology
- 54.** IOT Based Coal Mine Safety Monitoring and Alerting System using Multiple Sensor
- 55.** Data Acquisition and Monitoring System of Solar Panel Critical Parameters using IOT
- 56.** Design and Implementation of Real time Transformer Health Monitoring System using IOT or GSM Technology
- 57.** Car black box system for accident prediction and Crash recovery using GPS and GSM
- 58.** IOT solutions for Smart Cities: Garbage Dustbin management system and reporting to municipal authorities over IOT (Based on Swach Bharat Abhiyan)
- 59.** Forest Fire Alerting System With GPS Co-ordinates Using IOT and GSM Technology
- 60.** IOT Based Monitoring System for Comatose Patients
- 61.** IOT Mining Tracking & Worker Safety Helmet based Monitoring system using Blynk based Cloud server
- 62.** Radio Frequency Identification system Smart Shopping Cart / Trolley for Shopping Malls using IOT Technology
- 63.** Developing Portable Air Quality Information System based on Internet of Things

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- 64.** A low cost reconfigurable smart water quality monitoring system using Multiple Sensors in IOT environment
- 65.** Smart Toll Gate Management System using IOT and RF ID Technology
- 66.** Smart Solar Power Grid Measuring System using IOT Technology
- 67.** Street lights monitor (failure lights alert) and controller over Internet for smart cities
- 68.** Smart Underground Cable fault detection system using IOT Technology
- 69.** Remote Sensing Satellite using Multiple Sensor, Microcontroller and Communication using RF 2.4GHz Frequency (Based on Chandrayan 2)
- 70.** IOT based Pollution Monitoring System to measure dangerous Gases (Methane, Smoke, and Carbon Monoxide) parameters of Environment. ( Based on Highly Polluted Cities like Delhi, Mumbai etc )
- 71.** Automatic energy meters monitoring in buildings and apartments using IOT
- 72.** An intelligent system for infant cry detection and information in real time using IOT
- 73.** IOT based Green house monitoring and controlling system
- 74.** Smart water management using IOT
- 75.** Intelligent Vehicle Emission Monitoring System and Values Monitoring using Android Application
- 76.** IOT based Flood Detection and Alert System for Local People using Web Update and RF based High Alarm.( Based on Recent Kerala Flood )
- 77.** Patient health monitoring in cloud (heart beat and body temperature) over internet of things
- 78.** IOT based Air and Sound Pollution Monitoring System near School / Colleges and Hospitals

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- 79.** Microwave based Home / Industry Security System with IOT / GSM based alert System
- 80.** IOT based Water Quality Monitoring System using pH, Salinity and Temperature Sensors for Highly Polluted / Contaminated Rivers (Such as Ganga and Yamuna).
- 81.** Industrial Temperature Control and Monitoring System using IOT Server
- 82.** Led Advertising Board Based On IOT E-Circular Notification For Students Through IoT and GSM.
- 83.** Design and Implementation of Indoor Environment Monitoring and Control System (IEEE)
- 84.** IOT based Smart Load Control and Room Temperature Monitoring System from anywhere in the World
- 85.** IOT based Wireless Industrial Robotic Arm Control for Advance Automation
- 86.** IOT Based ICU Patient Monitoring System using HEART BEAT, TEMP AND ACCELEROMETER.
- 87.** Design of an Intelligent cloud based remote electricity metering and billing System over Internet of Things (IOT)
- 88.** A System For Monitoring Hand Hygiene Compliance Based-On Internet-Of Things (IEEE)
- 89.** IOT based Health care System for Elderly People with Emergency Panic Button
- 90.** IOT based Prison Break Monitoring and Alert System using IOT
- 91.** Loco pilot operated unmanned railway gate control to prevent accidents over Internet of Things
- 92.** IOT based Substation parameter monitoring System
- 93.** IOT based PET feeding device for Dog / Fish from any remote Location
- 94.** IOT based liquid level monitoring system for Chemical Industries

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- 95.** Automatic Dustbin with Garbage level monitoring system using IOT
- 96.** IOT based home automation over cloud using Blynk Server and Node MCU
- 97.** IOT based Solar Power Monitoring System
- 98.** Real Time Weather Monitoring System using Sensor and IOT Technology
- 99.** Smart IOT based Updating System for Bus Arrival Notification System using 20X4 LCD
- 100.** Advance Industrial 4 Channel Device Control System using Wi-Fi
- 101.** A Design of the IOT Gateway for Agricultural Greenhouse
- 102.** Wireless data acquisition System for remote care of newly born premature using IOT Graphs
- 103.** IOT based Over load Protection System with Local Alert Notification
- 104.** Power Transformer overload Protection system IOT
- 105.** IOT based smart irrigation control system using android and GSM modem
- 106.** IOT based Security system with Voice Message using ESP8266
- 107.** Smart Junction BOX for Home Automation using IOT
- 108.** IOT based Current and Power Consumption Monitoring over Cloud
- 109.** Smart e-Health Gateway: Bringing Intelligence to Internet-of-Things Based Ubiquitous Healthcare Systems
- 110.** IOT based Smart Plant System to Monitor its Health Care
- 111.** IOT Based Street light Controlling System from anywhere in the World
- 112.** Industrial device control over IOT
- 113.** IOT Based Person/Wheelchair Fall Detection
- 114.** IOT based soil moisture sensing and monitoring system
- 115.** Wireless sensor for Forest Fire Early Detect and online Remote Monitoring
- 116.** IOT based LPG / PNG Gas Leakage Alert and Monitoring System

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- 117.** IOT based Fuel Level Monitoring system
- 118.** IOT based Explosive Gas Leakage Alert system
- 119.** IOT based centralize online remote sensing of early Flood Detection
- 120.** Highly Secured Bio – Metric based Attendance System using IOT
- 121.** IOT based sound pollution Monitoring system
- 122.** IOT and GSM Alert based Heart Pulse rate Monitoring system and Alert on Sudden rise or fall of Heart Pulse rate to Local Paramedics Staff
- 123.** IOT Based RGB Led Control for Mood Lights or LED Cans in Parts
- 124.** Automatic Smart Trash CAN IOT system
- 125.** Autonomic Smart Sensor Interface For Industrial And Home In IOT Environment
- 126.** Field Monitoring And Automation Using IOT In Agriculture