



AICTE APPROVED

**SIRINTEL TECHNOLOGIES PRIVATE LIMITED**

Address: 2696, Tanvi's, 2nd floor, Mama's Joint Road, 2nd Main 3rd Cross Rd, above Peter England showroom, MCC B Block, Davanagere, Karnataka 577004



अखिल भारतीय तकनीकी शिक्षा परिषद्  
All India Council for Technical Education



## EMBEDDED SYSTEMS PROJECT USING ARDUINO UNO OR IOT

1. **Water Quality Monitoring System using Arduino:** Measuring pH, turbidity, and temperature of water.
2. **Traffic Management System using IoT:** Real-time traffic data collection and analysis using relay and led.
3. **Remote Soil Moisture Monitoring with Arduino:** Automating soil moisture management.
4. **Solar Power Monitoring System using IoT:** Tracking solar panel performance and energy production using DHT11 sensor, Voltage Sensor.
5. **Voice-Controlled Home Automation with Arduino and IoT:** Implementing voice commands for home devices Bluetooth LED and PC FAN.
6. **Plant Health Monitoring using Arduino and IoT:** Automating plant watering and health monitoring moisture sensor and Aquarium Motor.
7. **Home Energy Management System using IoT:** Optimizing home energy usage with smart meters like voltage Sensor to monitor LED and PC FAN.
8. **Remote Appliance Control with Arduino and IoT:** Controlling home appliances via smartphone LED and PC FAN
9. **Smart Smoke Detector using Arduino and IoT:** Sending smoke alerts to smartphones using MQ135.
10. **Wearable Health Monitoring using Arduino and IoT:** Monitoring vital signs with a wearable device Heart Beat Sensor and Probe Temperature sensor.
11. **Home Surveillance System with Arduino and IoT:** Implementing remote surveillance with PIR sensors and Ultrasonic.
12. **Fire Alarm System using Arduino and IoT:** Sending fire alerts to smartphones fire sensor led and buzzer.
13. **Remote Weather Data Display using Arduino and IoT:** Displaying online weather data on an LCD using DHT11

+91-8971279127



sirintel.tec@gmail.com



**SIRINTEL TECHNOLOGIES PVT LTD**

Address: 2696, Tanvi's, 2nd floor, Mama's Joint Road,  
2nd Main 3rd Cross Rd, above Peter England showroom,  
MCC B Block, Davanagere, Karnataka 577004



AICTE ID: COPRPORATE6123bb416b86f1629731649  
ISO:9001:2015 [www.sirintel.com](http://www.sirintel.com)

[WWW.SIRINTEL.COM](http://WWW.SIRINTEL.COM)



AICTE APPROVED

**SIRINTEL TECHNOLOGIES PRIVATE LIMITED**

Address: 2696, Tanvi's, 2nd floor, Mama's Joint Road, 2nd Main 3rd Cross Rd, above Peter England showroom, MCC B Block, Davanagere, Karnataka 577004



अखिल भारतीय तकनीकी शिक्षा परिषद्  
All India Council for Technical Education



14. **Vehicle Anti-Theft System using Arduino and IoT:** Real-time GPS tracking to prevent theft using Voltage sensor to detect battery started Engine.
15. **Motion Detection Lighting Control using Arduino and IoT:** Automating lights based on motion using PIR sensor and LDR.
16. **Flood Monitoring System using Arduino and IoT:** Monitoring water levels and sending alerts ultrasonic sensor and servo motor.
17. **Smart Waste Management using Arduino and IoT:** Optimizing waste collection routes ultrasonic sensor to detect object and open bin.
18. **Remote Patient Monitoring using Arduino and IoT:** Sending health data to healthcare providers DHT11 and MAX sensor.
19. **Smart Doorbell using Arduino and IoT:** Real-time visitor notifications and camera integration ultrasonic and buzzer.
20. **Industrial Equipment Monitoring using IoT:** Tracking equipment performance and maintenance needs flame sensor, vibration sensor.
21. **Agricultural Field Monitoring using Arduino and IoT:** Monitoring soil and crop conditions moisture sensor, ldr and Led.
22. **Remote Lighting System using Arduino and IoT:** Controlling home lighting remotely three Led to operate from blynk app.
23. **Parking Management System using Arduino and IoT:** Monitoring parking space availability using ultrasonic
24. **Smart Bike Lock using Arduino and IoT:** Securing bikes with remote locking using relay and Blynk app.
25. **Remote Water Quality Control using Arduino and IoT:** Adjusting water quality parameters remotely using Ultrasonic.
26. **IoT-Based Greenhouse using Arduino:** Automating greenhouse conditions for optimal plant growth.
27. **Air Quality Monitoring System using Arduino and IoT:** Tracking indoor and outdoor air quality using MQ sensors

+91-8971279127



sirintel.tec@gmail.com



**SIRINTEL TECHNOLOGIES PVT LTD**

Address: 2696, Tanvi's, 2nd floor, Mama's Joint Road,  
2nd Main 3rd Cross Rd, above Peter England showroom,  
MCC B Block, Davanagere, Karnataka 577004



AICTE ID: COPRPORATE6123bb416b86f1629731649  
ISO:9001:2015 [www.sirintel.com](http://www.sirintel.com)

**WWW.SIRINTEL.COM**