

🔗 Beginner IoT Projects (1–20)

1. Temperature Logger with Raspberry Pi and C# Desktop App
 2. Light Control System via C# App and Arduino
 3. Simple Motion Detector Notification (C# + PIR sensor)
 4. Remote Fan Controller using Bluetooth and C# GUI
 5. Humidity Sensor Monitor with C# Dashboard
 6. Ultrasonic Distance Measurement Display
 7. RFID Door Unlock System (C# + RFID Reader)
 8. Basic Home Automation Switch (relay control from C#)
 9. LED Blinker Controlled from C# GUI
 10. Bluetooth Light Dimming Controller
 11. Soil Moisture Monitor with Alerts
 12. Simple Smoke Detector with C# Alert System
 13. CO2 Sensor Data Logger
 14. Basic Sound Level Meter with Visualization
 15. Water Level Indicator with IoT Notifications
 16. IR Remote Controller Simulator (C# + IR LED)
 17. Temperature and Humidity Web Dashboard
 18. Smart Plant Watering Scheduler
 19. IoT-enabled Digital Thermostat Controller
 20. Wireless Doorbell Notification System
-

📦 Intermediate IoT Projects (21–40)

21. Smart Garden Moisture Monitoring System
22. Real-Time Weather Station with C# Cloud Backend
23. IoT Alarm System (motion + siren control)
24. Home Energy Usage Monitoring with Data Logging
25. Smart Doorbell with Video and Email Alerts
26. WiFi Controlled RGB LED Strip (C# app + ESP8266)
27. IoT Flood Alert System with SMS Notification
28. Automated Window Opener with Sensor Feedback
29. Remote Thermostat Control using MQTT and C#
30. IoT Data Logger with SQL Server Backend
31. Smart Parking Space Detector
32. Gas Leak Detector with Alert System
33. Bluetooth Beacon Tracker with C# Visualization
34. Raspberry Pi Camera Stream to C# App
35. Cloud-Connected Smart Mirror Display
36. WiFi Water Level Monitoring System
37. Voice-Controlled Home Automation (Alexa + C#)
38. IoT-based Classroom Attendance System

- 39. Automated Pet Feeder Controlled Remotely
 - 40. Environmental Quality Monitor (CO2, temp, humidity)
-

● **Advanced IoT Projects (41–60)**

- 41. Smart Home Central Control System (multi-device)
- 42. Industrial Machine Condition Monitoring Dashboard
- 43. Secure IoT Gateway with SSL & MQTT Protocols
- 44. Real-Time GPS Tracker with Map Display in C#
- 45. Face Recognition Door Unlock System (Raspberry Pi + C# ML)
- 46. IoT Asset Tracking with RFID and Cloud Integration
- 47. Warehouse Inventory Management with IoT Sensors
- 48. Smart Grid Energy Monitoring and Control
- 49. Real-Time Vehicle Health Monitoring System
- 50. Predictive Maintenance Platform using IoT + ML.NET
- 51. Remote Surveillance System Streaming to C# App
- 52. Fleet Management IoT System with C# Backend
- 53. IoT Fire Detection and Alert System
- 54. Voice-Activated Home Automation Controller
- 55. Automated Toll Booth System using IoT Sensors
- 56. Firmware Update Manager for IoT Devices (via C#)
- 57. Wildlife Tracking System with GPS + IoT Sensors
- 58. IoT-Based Classroom Air Quality Monitor
- 59. Cloud-Connected Smart Agriculture System
- 60. Multi-sensor Environmental Data Aggregator and Analyzer