IOT PROJECTS:-

1.)Smart Home Automation System: Create a system that allows users to control lights, appliances, thermostats, and security cameras remotely using a smartphone app.

2.)Weather Station: Build a weather station that collects data such as temperature, humidity, and atmospheric pressure, and displays it in real-time on a web dashboard.

3.)Health Monitoring Wearable: Develop a wearable device that monitors vital signs like heart rate, temperature, and activity levels, and sends alerts to a caregiver or healthcare provider.

4.)Smart Agriculture System: Design a system that monitors soil moisture, temperature, and humidity in agricultural fields and adjusts irrigation and other parameters accordingly.

5.)Waste Management System: Create a system that monitors garbage levels in trash bins and sends notifications to waste collection services when bins are full.

6.)Smart Parking System: Build a parking system that uses sensors to detect available parking spots and guides drivers to the nearest open spot using a mobile app.

7.)Air Quality Monitor: Develop a device that measures air quality parameters like pollutants, particulate matter, and gases, and provides real-time air quality data.

8.)Home Energy Monitoring: Design a system that tracks energy consumption of different appliances in a home and provides insights to users on how to conserve energy.

9.) Smart Plant Watering System: Develop a system that monitors soil moisture and waters plants automatically based on real-time data.

10.)Home Security Drone: Build a drone that can fly around your home, streaming live video to your smartphone for monitoring purposes.

11.)Connected Pet Feeder: Create a pet feeder that dispenses food remotely, controlled through a mobile app, and includes a camera to watch your pet while they eat.

12.)Health Tracking Mirror: Design a smart mirror that displays health metrics like weight, body fat, and heart rate when you stand in front of it.

13.)Smart Bike Lock: Develop a bike lock that can be unlocked using a smartphone app and includes features like GPS tracking and alerts for tampering.

14.)Automated Greenhouse: Build a greenhouse automation system that controls temperature, humidity, and lighting based on sensor readings.

15.)IoT-based Home Energy Optimization: Create a system that analyzes energy consumption patterns and suggests ways to optimize energy usage in a home.

16.)Gesture-Controlled Smart Lighting: Design a lighting system that can be controlled by hand gestures, adjusting brightness and color.

17.)Smart Refrigerator Inventory: Develop a refrigerator that keeps track of its contents and sends notifications when items are running low.

18.)Wearable Health Monitor: Build a wearable device that tracks health parameters like heart rate, steps taken, and sleep patterns, and sends data to a mobile app.

19.)Voice-Activated Smart Mirror: Create a mirror that responds to voice commands, displaying information like weather, news, and calendar events.

20.)IoT-Enabled Weather Balloon: Build a weather balloon with sensors to measure temperature, pressure, and altitude, transmitting data back to a ground station.

21.)Smart Traffic Light System: Design a traffic light system that adjusts signal timings based on real-time traffic flow data to reduce congestion.

22.)IoT-Based Waste Sorting Bin: Develop a waste bin that uses image recognition to identify and sort recyclable and non-recyclable items.

23.)Remote Monitoring for Elderly: Create a system that monitors the well-being of elderly individuals, tracking movements and sending alerts in case of emergencies.

24.)Aquarium Automation System: Build a system that controls aquarium temperature, lighting, and feeding schedules based on sensor readings and user preferences.

25.)IoT-Enabled Smart Mirror: Design a mirror that displays customizable widgets such as calendar events, news, and social media updates.

26.)Smart Vending Machine: Develop a vending machine that offers personalized product suggestions based on user preferences and purchase history.

27.)Industrial Equipment Monitoring: Create a system for real-time monitoring of industrial equipment health and performance, sending alerts in case of anomalies.

28.)IoT-Based Asset Tracking: Build a tracking system for valuable assets using GPS and IoT connectivity to monitor their location and status.