CODTECH Internship

Task 3: Real-Time Power BI Dashboard

Name: Janishaa V
Department: B.Tech Information Technology
Year: 3rd Year
College: Kongu Engineering College

Project Description

This real-time dashboard was created using Power BI's streaming dataset feature. Sensor data (temperature, humidity, and timestamp) is pushed in real-time using PowerShell and a Power BI Push API URL. The dashboard includes cards, a gauge, bar and line charts, and is refreshed dynamically as new data arrives. This simulates an IoT-based live sensor monitoring setup.

Screenshots

- ➢ The **Card visuals** show real-time values of temperature and humidity pushed from the sensor.
- ➢ The **Gauge** represents the current temperature level in an easy-to-read format.
- ➢ The **Bar and Line Charts** visualize historical sensor data based on the timestamp to track trends over time.