**Phase 2 project:**

**Project Title: Environmental monitoring in parks**

**Project ID:** proj\_223736\_Team\_5

**College:** Gnanamani College of Technology

**Branch:** B.Tech/Information Techology

**Year:** IIIrd

**MODULE:**

1. **Weather Station Module:** Install weather sensors to monitor temperature, humidity, wind speed, and precipitation.

2. **Air Quality Module:** Use sensors to measure air quality parameters like PM2.5, PM10, CO2, and ozone levels.

3. **Water Quality Module:** Deploy sensors in bodies of water to monitor pH, turbidity, dissolved oxygen, and pollutants.

4. **Wildlife Tracking Module:** Implement tracking devices or camera traps to monitor animal movements and behaviors.

5. **Noise Pollution Module**: Install noise sensors to measure noise levels and identify sources of pollution.

6. **IoT Connectivity Module:** Utilize IoT technology for data collection and transmission to a central monitoring system.

7.**Entry/Exit Sensors:** Install sensors or gates at park entrances and exits. These sensors can detect when visitors enter and leave the park.

8. **Data Analytics Module:** Implement data analytics tools to process and analyze collected data for insights.

**Team members:**

Veeramani. V(620821205062)

Ragupathi. D(620821205044)

Rajesh. B(620821205045)

Anandhakumar. S(620821205003)

Surya. S(620821205059)