BLOCK DIAGRAM
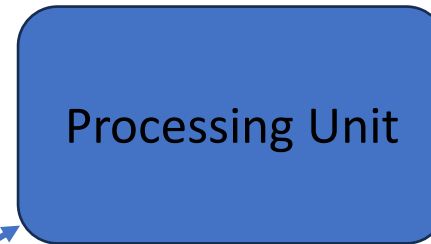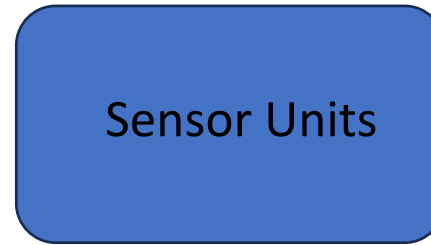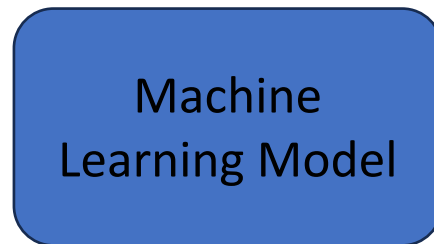
The **Sensor Units** collect the data using **Sensors** and transmits them to the **Processing Unit.**

Sensor Units

Processing Unit

The **Processing Unit** processes the **Received Data** and feed them to the **Machine Learning Model.**

Machine Learning Model

Web Interface

The **Machine Learning Model** makes **Prediction** on the Processed Data and Sends the Prediction back to the **Processing Unit.**

The **Web Interface** displays all the **Processed Data** and **Prediction** made on that Data.

FLOW CHART

```
          ┌─────────────┐
          │    START    │
          └─────────────┘
                 │
                 ▼
    ┌───────────────────────────┐
    │      DATA COLLECTION      │
    └───────────────────────────┘
                 │
                 ▼
    ┌───────────────────────────┐
    │     DATA TRANSMISSION     │
    └───────────────────────────┘
                 │
                 ▼
    ┌───────────────────────────┐
    │      DATA PROCESSING      │
    └───────────────────────────┘
                 │
                 ▼
    ┌───────────────────────────┐
    │     OUTPUT GENERATION     │
    └───────────────────────────┘
                 │
                 ▼
    ┌───────────────────────────┐
    │  DISPLAY ON WEB INTERFACE │
    └───────────────────────────┘
                 │
                 ▼
          ┌─────────────┐
          │     END     │
          └─────────────┘
```