PROJECT DEVELOPMENT DELIVERY OF SPRINT-3

Team id:	PNT2022TMID52180
Project name:	IoT based smart crop protection system for agriculture

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Big Data Analytics:

Application Layer

Service Layer

Cloud Database Server

Management logic

Data Analysis

Data Processing

Information Management

Alert System

Network Layer

GPS

WiFi

LTE

Gateway

LoRaWAN

Coordinator Sensor Node

zigbee

Bluetooth

IEEE 802.15.4

Sensor Layer

UAV with camera sensor

Node with Leaf Wetness Sensor

Node with Wind Speed and Direction Sensor

Node with Electric Conductivity Sensor

Node with Carbon Dioxide Sensor

Node with Soil Moisture Sensor

Node with Raindrop Sensor

Node with Solar Radiation Sensor

Node with Temperature and Humidity Sensor

Node with Light Sensor

Energy Saving Technologies