NALAIYA THIRAN WEEK 4 REPORT

Project Title: IoT Based Smart Crop Protection System For Agriculture

Team ID: PNT2022TMID15746

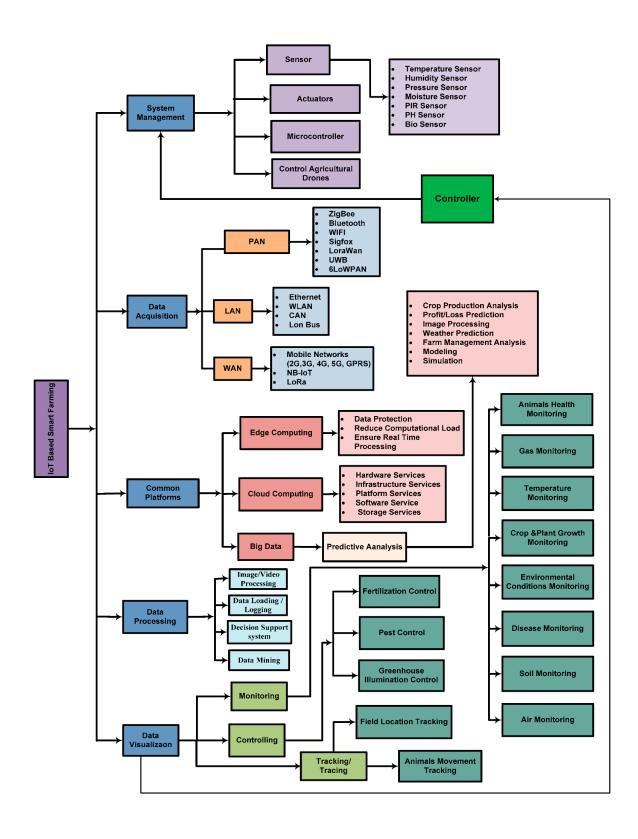
GitHub ID: https://github.com/IBM-EPBL/IBM-Project-24229-1659940305

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BRAINSTORMING:



IDEATION:

Idea 1:

Agricultural Drones:

Drones are used on the ground and in the air to evaluate crop health, track crops, grow crops, spray crops, and conduct field research. Drone technology has increased and found its way into the agricultural sector with proper strategy and preparation focused on real-time results.

Drones equipped with thermal or multispectral sensors detect areas that involve irrigation adjustments.

Sensors detect the health of the crops and measure their vegetation index until they begin to flower.

Idea 2:

Data Analytics:

The data obtained from IoT sensors need more storage than a traditional database system would provide. The smart agriculture framework relies heavily on cloud-based data storage and an end-to-end IoT platform. These programs are expected to play a significant role in enabling better operations to be carried out.

Idea 3:

Smart Greenhouse:

Sensors capture and relay real-time data, allowing for accurate real-time monitoring of the greenhouse state. The water consumption and greenhouse state can be tracked through emails

or SMS warnings thanks to the sensors. The IoT is used to carry out automatic and smart irrigation

IoT-B4-4M6E (Morning Session)-Day-5 (15.09.2022)

