Smart Farming Project

This project proposes a unique combination of Artificial Intelligence and smart technologies such as Internet of Things (IoT) and Cyber Physical Systems (CPS) to overcome pressing challenges. We have conducted a survey in the villages according to survey villagers are more concerned about uncertainty of climate and animal attack.

IIT Palakkad has taken up a 5 years project. The project's objective is to assist farmers in increasing the productivity of crops, reducing wastage of crops, water, energy, fertilizer, and enhancing the benefit to cost ratio by choosing correct crops. Currently, we are focusing on

(a) Detecting plant pathogens early,

(b) Counting as well as predicting yield.

(b) We also aim for a smart irrigation system that will optimize fertilizer and energy.

On successful implementation, the project will have a high impact on the livelihood of the farmers. A detection and alarm system against wild animal intrusion into the human habitat is also in the plan of the institute.

Latitude: 10.809892
Longitude: 76.719923
Elevation: 107.62 m
Accuracy: 3.8 m
Azimuth: 205° (SW)
Pitch: -5.5° (0.8°)
Time: 08-01-2020 15:52
Note: Field Visit

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