

SMART FARMER – IOT ENABLED SMART FARMING APPLICATION

PROJECT STATEMENT

Smart Farmer – Iot enabled smart farming application helps the farmer in monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors. Farmers can monitor all the sensor parameters by using a web or mobile application even if the farmer is not near his field.

Question	Description
What are the Benefits?	Farmers can make the decision whether to water the crop or postpone it by monitoring the sensor parameters and controlling the motor pumps from the mobile application itself.
Why the issue occurs?	One of the key factors influencing agricultural productivity in India is the unpredictable behavior of monsoons. This problem is aggravated due to the lack of irrigation facilities across India.
When does the issue occur?	Due to the Global warming and other climatic conditions the farming could get affected
How it is better?	IoT-based remote sensing utilizes sensors placed along with the farms like weather stations for gathering data, which is transmitted to analytical tools for analysis.
Where it is used?	Weather stations are formed with the combination of several smart farming sensors. They are placed across the field to gather data from the environment and send the same to the cloud. The parameters measured are used to understand climate conditions, select appropriate crops, and then respond appropriately for improvement

