PROBLEM STATEMENT : "Smartfarmer - Iot Enabled Smart Farming Application"

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IoT-Enabled Smart Farming Application:

PROBLEM STATEMENT:

Mr . Raja, a 55-year-old city resident who owns an agricultural land in his hometown, is 55 years old. He wants to use a smartphone application to remotely monitor the field's characteristics and make decisions about whether or not to irrigate the crop.

Who does the problem affect?	Persons who do Agriculture.
What are the boundaries of the problem?	People who Grow Crops and facing Issues in monitoring and watering plants.
What is the issue?	In agricultural aspects, if the plant is not provided with sufficient water, the production of the crop will be affected to a great extent. Providing correct amount of water is a challenge for the farmers.
When does the issue occur?	When the weather condition is uncertain, it is difficult to decide whether to water the crop or not.

Where does the issue occur?	The issue occurs in agriculture practising areas, particularly in rural regions.
Why is it important that we fix the problem?	It is required for the growth of better quality food products. It is important to maximise the crop yield.
What solution to solve this issue?	This could be solved by monitoring the soil parameters, weather and climatic conditions and helping the farmer to make the correct decision.
What methodology used to solve the issue?	Sensors, Weather API and mobile application could be used. The sensor values and weather data are used for the computation and the final decision whether to water the crop or not is taken using mobile application