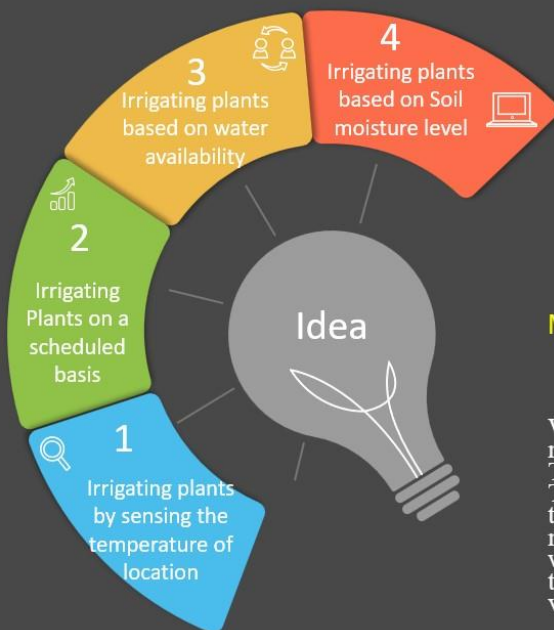


Ideation Phase

IDEATION PROCESS

Team ID	PNT2022TMID26062
Project Name	Smart Farming-IOT Enabled Smart Farming Application
Maximum Marks	2 Marks

Smart Farmer - IoT Enabled Smart Farming Application



Moisture Level Based:

We will use Capacitive **Soil Moisture Sensor** to measure moisture content present in the soil. Similarly to measure Air Temperature and Humidity, we prefer DHT11 Humidity Temperature Sensor. Using a 5V Power relay we will control the Water Pump. Whenever the sensor detects a low quantity of moisture in the soil, the motor turns on automatically. Hence, will automatically irrigate the field. Once the soil becomes wet, the motor turns off. You can monitor all this happening remotely via a Server online from any part of the world.