SRI VENKATESWARAA COLLEGE OF TECHNOLOGY

Department Of Computer Science And Engineering

IBM NALAIYA THIRAN

IDEATION PROCESS

TITLE : Smart Farmer- IoT Enabled Smart Farming Application

DOMAIN NAME : Internet of Things

LEADER NAME : NIRMAL KUMAR A

TEAM MEMBER NAME: ARUN KUMAR G

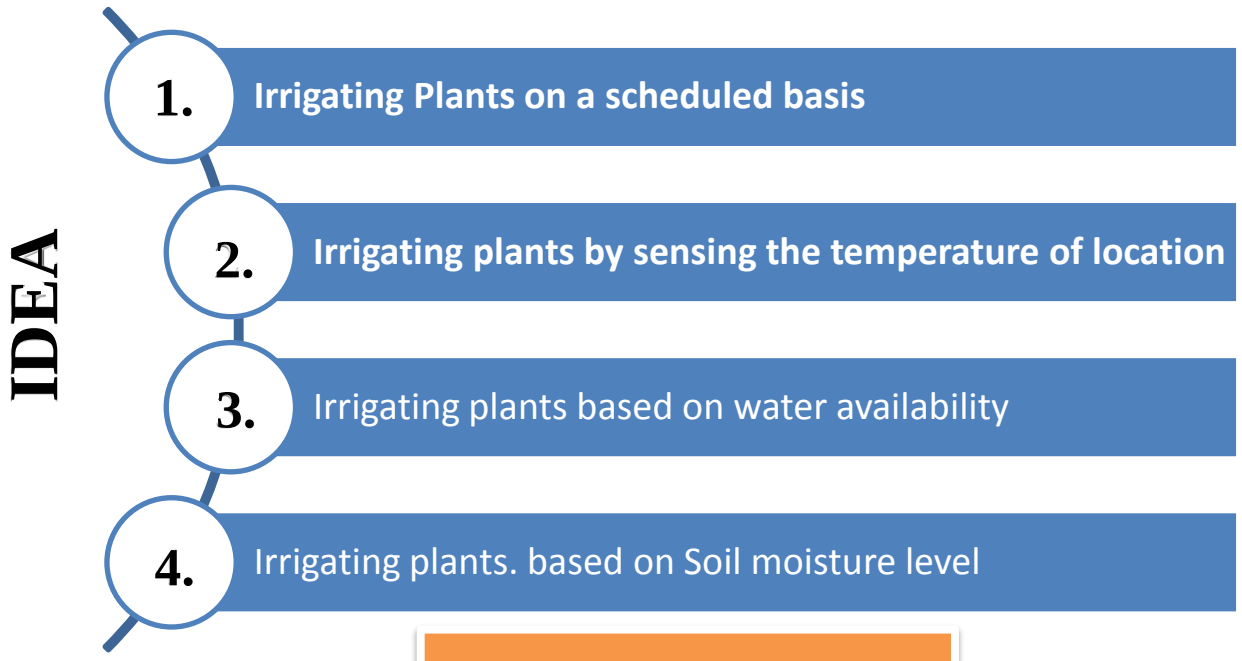
RAJI R

DHYANESHWARI G

MENTOR NAME : PREETHI C

IDEATION PROCESS

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.