A very pleasant morning to all of you, Today I Kartik Singh of class 8th, is going to present a project to you all which is based on a very special method of farming which is irrigation method. With the help of AI I have made a smart irrigation method.

First I would like to tell you all about it physical parts:-

1.ndmc

2.soil moisture sensor

3. humidity and temp sensor

4. Relay Module

5. Mini Pump

Now I will be explaining these all parts in a few lines:

1. ndmc:- It is used as brain of this project.

2.soil: it is used to sense the soil moisture of the field

3.dht: It is used for analyzing the temp and humidity of

Farm.

4. relay module: It is used to provide power to the mini pump.

5. mini pump: It is used to pump water to the field.

Now I will explain you this whole process of irrigation with the help of AI and I have also developed an app to operate this whole system.

Firstly the soil moisture sensor will send the moisture value to the mobile app, if the soil moisture sensor is greater than 55% then the relay module will power the pump and then pump start irrigating the field. When the relay module start giving power to the mini pump it will turned ON in the mobile app. The pump will sprinkle the water

Until the soil moisture percentage comes to 55%. Then the relay module will stop powering the mini pump. This is how my irrigation method model work’s.

And these all information will automatically sent to the mobile application.

Now I will explain you the function of DHTsensor. The DHTsensor is used to sense the humidity and temprature of area. And then the humidity and the temprature will be forwarded to the mobile application. And this all system can be operated from anywhere in the world.

It was all my project.

Thank you and Have a nice day