



**MAHENDRA INSTITUTE OF TECHNOLOGY**

**Department of Computer Science and Engineering**

# **Smart Farmer-IOT Enabled Smart Farming Application**

**IBM NALAIYATHIRAN**

## **IDEATION**

<b>TITLE</b>	<b>Smart Farmer-IOT Enabled Smart Farming Application</b>
<b>DOMAIN NAME</b>	INTERNET OF THINGS
<b>TEAM ID</b>	PNT2022TMID17252
<b>LEADER NAME</b>	KARTHICKRAJA M
<b>TEAM MEMBER NAME</b>	KAVIN M KAVIYARASAN R LOGANATHAN K
<b>MENTOR NAME</b>	DIVYA BHARATHI G

## **PROBLEM STATEMENT:-**

Irrigation creates more problems like over and insufficient and measuring the amount of land becomes tough when we irrigate the agricultural land using the traditional farming techniques so we are yet to find solution.

**MAIN IDEA :** To automate the process of smart farming

## **Team Ideas:**

### **KARTHICKRAJA M :**

- Automate irrigation process using temperature of soil.
- Automate irrigation using measurement of moisture of soil

### **KAVIN M :**

- We can use sensors on sensing
- We can sense and program the moisture level

### **KAVIYARASAN R :**

- We can simplify the drip irrigation into time controlled irrigation
- Automate irrigation using any Robots

### **LOGANATHAN K :**

- We can automate and design Arduino for programming
- We can make good design and programming of soil moisture and temperature

## **Best Three Ideas:-**

- Automate irrigation using measurement of moisture of soil
- We can sense and program the moisture level
- We can automate and design Arduino for programming