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|  | **Smart Farmer-IOT Enabled Smart Farming Application**    **IDEATION**   |  |  | | --- | --- | | **TITLE** | **Smart Farmer-IOT Enabled Smart Farming Application** | | **DOMAIN NAME** | INTERNET OF THINGS | | **TEAM ID** | PNT2022TMID22828 | | **LEADER NAME** | KOWSALYA D | | **TEAM MEMBER NAME** | KAMALAKANNAN R  KARTHICK S  NITHEEN V P | |

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:

**KOWSALYA D:**

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

**KAMALAKANNAN R :**

* [GreenIQ](https://easternpeak.com/works/iot/" \t "https://easternpeak.com/blog/iot-in-agriculture-technology-use-cases-for-smart-farming-and-challenges-to-consider/_blank) is an interesting product that uses smart agriculture sensors. It is a smart sprinklers controller that allows you to manage your irrigation and lighting systems remotely.
* You can monitor your crop growth and any anomalies to effectively prevent any diseases or infestations that can harm your yield( [Arable](https://arable.com/" \t "https://easternpeak.com/blog/iot-in-agriculture-technology-use-cases-for-smart-farming-and-challenges-to-consider/_blank) and [Semios](http://semios.com/" \t "https://easternpeak.com/blog/iot-in-agriculture-technology-use-cases-for-smart-farming-and-challenges-to-consider/_blank) )

**KARTHICK S:**

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

**NITHEEN V P :**

* Agritech advancements is the use of agricultural drones in smart farming
* By using IoT sensors, farmers can collect a vast array of metrics on every facet of the field microclimate and ecosystem