

ABSTRACT

Date	18 November 2022
Team ID	PNT2022TMID48661
Project Name	IOT Enabled Smart Farming Application
Maximum Marks	4 Marks

DOMAIN: IoT

Project Title: Smart Farmer – IOT Enabled Smart Farming Application

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ABSTRACT:

Smart agriculture is an emerging concept, because IOT sensors are capable of providing information about agriculture fields and then act upon based on the user input . Internet of Things (IoT) technology has brought revolution to each and every field of common man's life by making everything smart and intelligent. The feature of this paper includes monitoring temperature and humidity in agricultural field through sensors . Agriculture is the primary occupation in our country for ages. But now due to migration of people from rural to urban there is hindrance in agriculture. The development of Intelligent Smart Farming IoT based devices is day by day turning the face of agriculture production by not only enhancing it but also making it cost-effective and reducing wastage. So to overcome this problem we go for smart agriculture techniques using IoT. The product being proposed is tested on Live Agriculture Fields giving high accuracy over 98% in data feeds. This project includes various features like GPS based remote controlled monitoring, moisture & temperature sensing, intruders scaring security, leaf wetness and proper irrigation facilities. It makes use of wireless sensor networks for nothing the soil properties, and environmental factors continuously