



Smart Agriculture Solution for Sustainable Growth

Providing Nourishment for
Healthier Crops and a Thriving
Farm!



+91-9718517228 | +91-9500069296

info@hashstudioz.com

www.hashstudioz.com

APPLICATION OF SMART AGRICULTURE: SOIL AND WATER MANAGEMENT

HashStudioz Smart Agriculture Solution is tailored for efficient soil and water management. Optimize resource allocation, prevent overwatering and enhance the overall health of your crops. Our solution is adaptable to various crop types and soil conditions ensuring versatility across different farming practices.

BENEFITS OF SMART AGRICULTURE

-  **INCREASED CROP YIELDS & QUALITY**
Utilizing advanced technologies enables precision farming, optimizing crop growth conditions for maximum yields and superior quality.
 -  **ACUTE MOISTURE CONTROL**
Mitigate the risk of crop damage due to moisture-related issues and maintain precise moisture levels for optimal crop health.
 -  **ENHANCED SUSTAINABILITY & ENVIRONMENTAL PROTECTION**
Utilizing advanced technologies enables precision farming, optimizing crop growth conditions for maximum yields and superior quality.
 -  **IMPROVED PROFITABILITY FOR FARMERS**
Efficient resource management, coupled with increased yields, leads to improved profitability, making Smart Agriculture a wise investment for farmers.
 -  **REDUCED WATER & RESOURCE USE**
Smart Agriculture minimizes resource wastage through data-driven insights, ensuring optimal utilization of water and other essential resources.
 -  **INCREASED SAFETY & WELL-BEING FOR FARM WORKERS**
Automation and real-time monitoring enhance safety on the farm reducing the physical strain on workers and ensuring a healthier working environment.
- 

HASHSTUDIOZ SMART AGRICULTURE SOLUTIONS AT A GLANCE

HashStudioz offers comprehensive solutions to enable farmers by integrating technology, transforming their farms into efficient and data-driven productivity centers.

1



ADVANCED SENSOR TECHNOLOGY

The system incorporates advanced sensors that help in accurate data collection. These sensors are equipped with the latest technology ensuring precision in capturing crucial data related to soil moisture, temperature etc.

Details:-

1. Low power LoRa Nodes.
2. Transmission range upto 1.2km-2.4km*
3. Extremely low power 16bit MCU for Longer battery life~90days-180days*.
4. 4000 mAh weatherproof battery.
5. Programmable data interface.
6. One touch sensor pairing.
7. Available sensing capability:
 - Soil moisture
 - Soil Temperature
 - Soil NPK level
 - Soil pH

2

AUTOMATED IRRIGATION SYSTEM

This innovative system leverages real-time data collected by advanced sensors to optimize the entire irrigation process. Through the implementation of precision irrigation, farmers can significantly improve water usage efficiency. The system is designed to initiate the water pump automatically in areas where soil moisture is low, leading to an overall enhancement in resource efficiency.

3

USER-FRIENDLY IOT DASHBOARD

The interface provided by HashStudioz is designed with user convenience in mind. The IoT dashboard is user-friendly and intuitive, simplifying the monitoring and analysis of farm-related data. Farmers can access this dashboard from anywhere providing them with the flexibility to manage and oversee their agricultural operations remotely. The convenience offered by this accessible platform enables farmers to make informed decisions on the go.

WHY CHOOSE HASHSTUDIOZ FOR YOUR SMART FARMING NEEDS?



Comprehensive Solutions

We Offer End-To-End Smart Agriculture Solutions Covering Everything From Sensor Installation To Data Analytics, Ensuring A Holistic Approach To Farm Management.



Customized Approach

Understanding That Each Farm Is Unique, We Customize Our Solutions To Meet Specific Requirements Ensuring Maximum Benefits For Every Client.



Expert Guidance

Our Team Of Experienced Professionals Provides Expert Guidance And Support Throughout The Implementation Process Ensuring A Seamless Transition To Smart Agriculture Practices.



Proven Results

HashStudioz Has A Track Record Of Delivering Tangible Results, With Our Smart Agriculture Solutions Consistently Leading To Increased Productivity, Reduced Resource Usage And Improved Profitability For Farmers.

Join The Smart Agriculture Revolution With HashStudioz – Cultivating A Sustainable Future.

