PROBLEM STATEMENT ON IoT ENABLED SMART FARMING APPLICATION

MEMBERS

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PROBLEM STATEMENT :

1. What does smart agriculture mean?

Smart farming is a management concept focused on providing the agricultural industry with the infrastructure to leverage advanced technology – including big data, the cloud and the internet of things (IoT) for tracking, monitoring, automating and analyzing operations.

2. What are the impacts of smart agriculture?

Climate-smart agriculture (CSA) improves agricultural productivity and enhance farm income on a sustainable basis, enhance water and nutrients use efficiency, resilient to climatic stresses, and lowering the emissions of Greenhouse Gas (GHG) to a minimum level

3. What are the benefits of smart farming?

Increasing control over production leads to better cost management and waste reduction. The ability to trace anomalies in crop growth or livestock health, for instance, helps eliminate the risk of losing yields. Additionally, automation boosts efficiency.

4. Why do we need a smart irrigation system?

Smart irrigation helps in minimal wastage of water. It allows to reinvest in new and improved technologies which ensure sustainable and responsible irrigation over time.It also allows controlling the amount of water delivered to the plants when it is needed.

5. What is the purpose of irrigation?

Irrigation is the artificial application of water to the soil through various systems of tubes, pumps, and sprays. Irrigation is *usually used in areas where rainfall is irregular or dry times or drought is expected.*

6. Why automatic irrigation is important?

It makes the irrigation process more efficient and workers can concentrate on other important farming tasks. On the other hand, such a system can be expensive and very complex in its design and may needs experts to plan and implement it