**PROBLEM STATEMENT**

1. **What is smart farming?**

IoT technology implemented with the traditional agricultural concepts results in smart farming. Built-in sensors in an IoT-enabled smart farming collect data from the fields, crops, and other farming assets. The farming industry relies heavily on this data to rebuild key components including crop health analysis, real-time field monitoring, weather forecasts, intelligent pest control, and inventory analysis, among others.

1. **What are the benefits of IoT in smart farming?**

The use of the Internet of Things in agriculture holds forth the

promise of hitherto unattainable efficiency, resource and cost

savings, automation, and data-driven processes.

1. **What are the sensors can be used?**

Sensor like Temperature sensor, Humidity sensor, photodiode sensor for sunlight, buzzers for alert, gas sensor for green gas, rain sensor, soil sensor for moisture, servo motor for sprinkling purpose, PIR sensor for detecting objects such as animal, human beings.

1. **What is smart irrigation system?**

By evaluating the soil moisture and the weather, the Smart Irrigation System is a tool that can automate the irrigation process.

1. **What is purpose of irrigation?**

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