Project Design Phase-1
Proposed Solution

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Farmers are under pressure to produce more food and use less energy and water in the process. A remote monitoring and control system will help farmers deal effectively with these pressures.
2.	Idea / Solution description	smart farming allows farmers to constantly monitor the field and livestock conditions by the use of IoT sensors, software, and data and enables them to take informed decisions regarding the same.
3.	Novelty / Uniqueness	IoT in agriculture uses robots, drones, remote sensors, and computer imaging combined with continuously progressing machine learning and analytical tools for monitoring crops, surveying, and mapping the fields, and providing data to farmers for rational farm management plans to save both time and money.
4.	Social Impact / Customer Satisfaction	**Increased production**: the optimisation of all the processes related to agriculture and livestock-rearing increases production rates. **Water saving:** weather forecasts and sensors that measure soil moisture mean watering only when necessary and for the right length of time.
5.	Business Model (Revenue Model)	A good business model is one that supports a viable business for customers and delivers value easily and efficiently. The IoT business model you choose or create is only restricted by your creativity and willingness to try.
6.	Scalability of the Solution	Scalability in smart farming refers to the adaptability of a system to increase the capacity, for example, the number of technology devices such as sensors and actuators, while enabling timely analysis.