Project Design Phase-1

Proposed Solution Template

IoT Based Smart Crop Protection System For Agriculture

Proposed Solution Template:

Sl.No	Parameter	Description
1.	Problem statement (Problem to be solved)	The farmer who needs to water their plants on a desired time and to prevent their plants from the wild animals then the proper maintaining of the crop field.
2.	Solution description/Idea	The Smart crop device will detect the animals and birds from the fields.When it comes nearer to the fields it generate an alarm to avoid animals from destroying the crops.
3.	Novelty / Uniqueness	The uniqueness of project is to monitor the soil moisture level , temperature and humidity.
4.	Customer satisfaction / Social Impact	It can be used to protect the field from the animals and yielding more profits for the farmer.
5.	Business model(Revenue Model)	Farmers and co-operatives(minimize costs). Farming as a service(Faas). Commerce and Government. Pay per use. Performance based model. Additional sharing model.
6.	Scalability of the solution	In the field of IOT we proposed to deal with brilliant sensors and other electrical equipments to achieve an "**Smart Crop Protection System**" which is more beneficial for farmers.