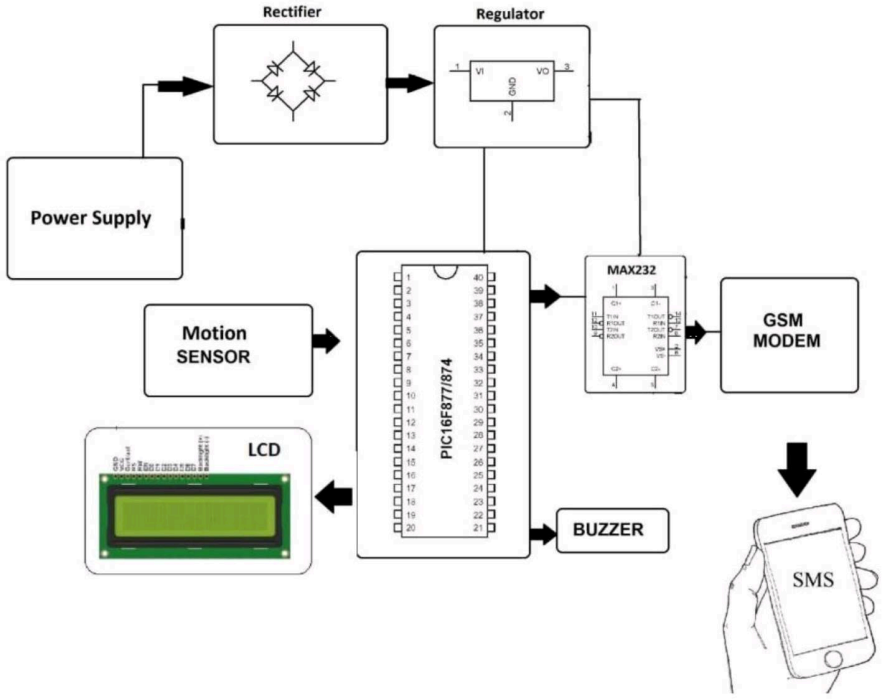
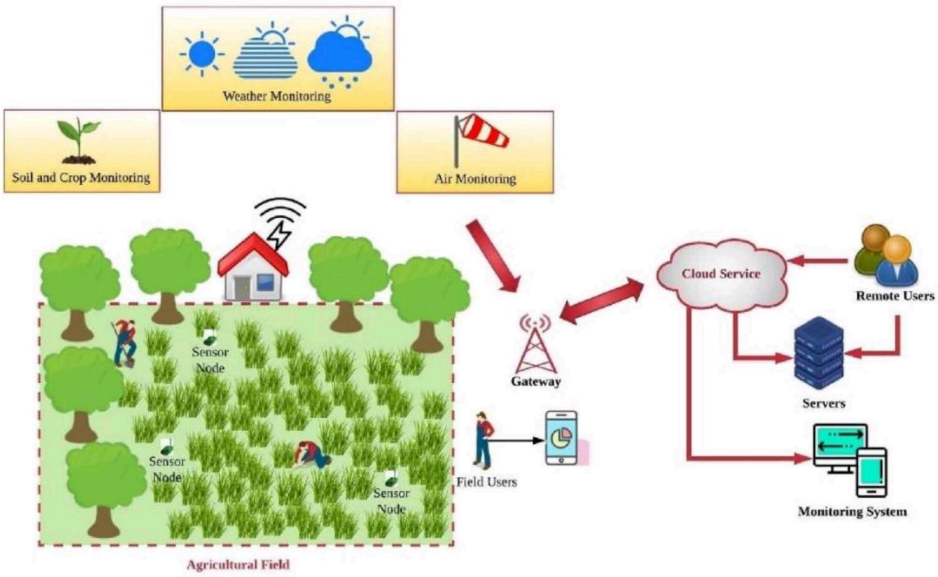
Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Flow diagram of Smart Crop Protection in IOT:





Features of the Smart Crop Protection:

1. The microcontroller that has been used for this project is pic series PIC microcontroller is the first RISC based microcontroller fabricated in CMOS that uses separate bus for instruction and data allowing simultaneous access of program and data memory.

2.The microcontroller now sounds an alarm to woo the animals away from the fields as well as sends SMS to the farmer so that he may know about the issue and come to the spot in case the animals don't turn away by the alarm.

3.This ensures the complete safety of crops from animals thus protecting the farmers loss.

4.Smart Framing can improve sustainability.

5.They can help farmers grow more food on less land by protecting crops by pests, diseases and weeds as well as raising productivity per hectare.

USER STORIES:

User Type	**Functional Requirement (Epic)**	**User Story Number**	**User Story/Task**	Acceptance criteria	priority
Customer (Mobile user)	Download the database	USN-1	As a user I can register for the application by entering my email, password and confirming my password.	I can access my account/ dashboard	High
	Register	USN-2	As a user I can register for the application by entering my email, password and confirming my password.	I can receive confirmation email and click confirm	High
	Login	USN-3	As a user I will receive confirmation email once I have registered for the application.	I can register and access the dashboard with Facebook login	Low
	Upload the image	USN-4	As a user I must upload the image to identify the problem and works on it.		Medium
Customer (Web user)	The functional requirements are same as mobile user	Same as mobile user	Same as mobile user.	Same as mobile user	High when compare to mobile user