

Project Design Phase-II

Data Flow Diagram & User Stories

Date	14 October 2022
Team ID	PNT2022TMID46736
Project Name	IOT Based Smart Crop Protection System for Agriculture
Maximum Marks	4 Marks

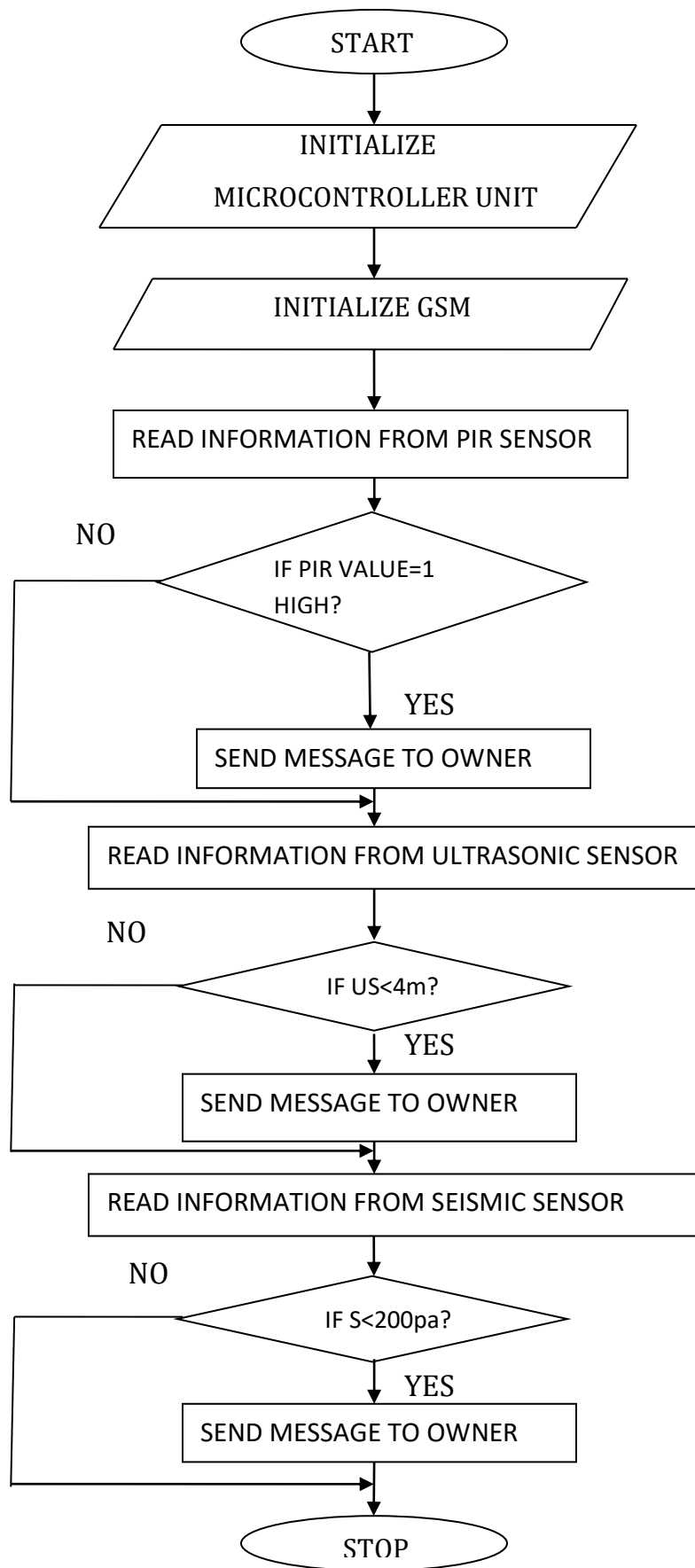
DATA FLOW DIAGRAM :

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.

DATA FLOW CHART:

A Data flow diagram(DFD) is a traditional visual representation of the information flows within a system.

- The Arduino Uno board and GSM are set up first . The values of the three PIR sensor are read and fed into the microcontroller . The system reads the ultrasonic sensor value when the PIR value is high or 1.
- The message alert is send to the registered mobile number when the value is less than 400cm. The ground vibrations are also predicted by the seismic sensor. The speaker is activated when the pressure value is less than 200.



User Type	Functional requirement	User story number	User story/task	Acceptance criteria	Priority	Release
Customer (Mobile user, Web user, Care executive, Administrator)	Registration	USN-1	As a user, I can register for the application by entering my mail, password, and confirming my password	I can access my account/ Dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click Confirm	High	Sprint-1
	Dashboard	USN-3	As a user, I can register for the application through internet	I can register & access the Dashboard with Internet Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can confirm The registration in Gmail	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can login with my id and password	High	Sprint-1