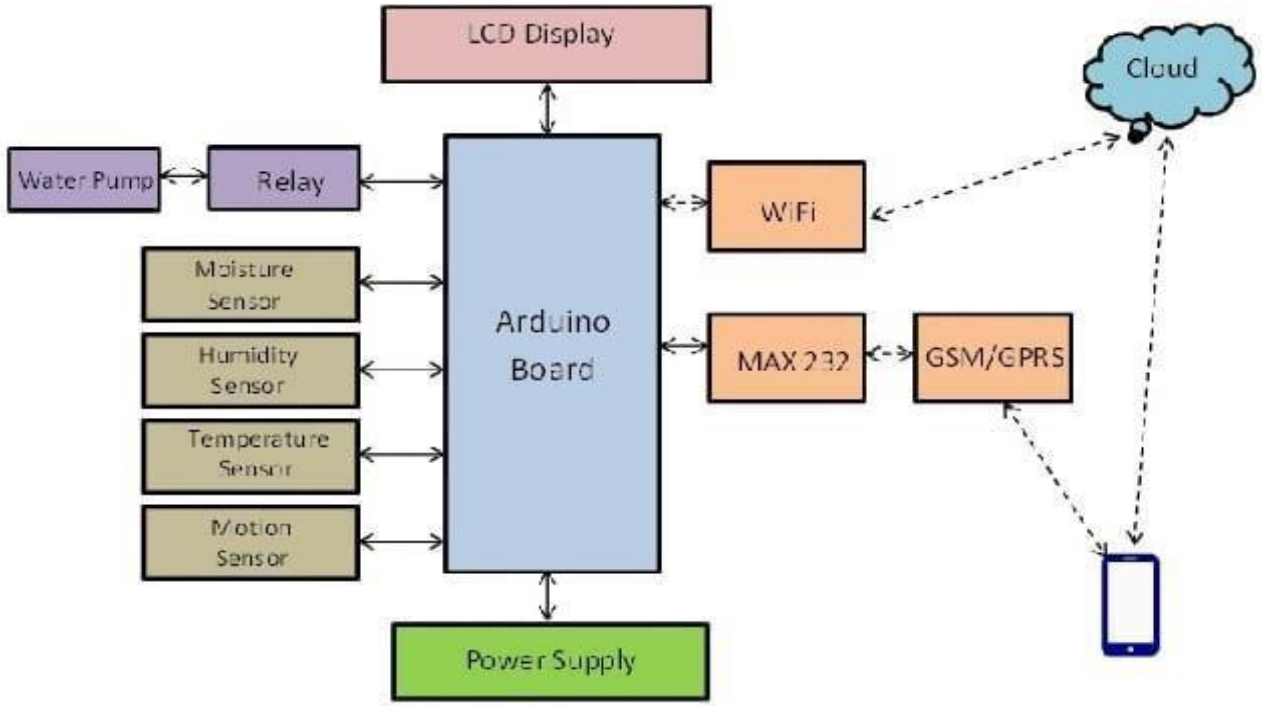
Project Design Phase-II
Data Flow Diagram & User Stories

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.

Data flow diagram for Smart agriculture:



The feature of this system is that it can monitor moisture, Humidity, Pressure of the soil by means of Arduino board which is incorporated by Iot and in any case of discrepancy it will send a sms notification to application developed for the same to the farmer's mobile phone we can log on to them by means of providing account information to it.

- Arduino Board is connected with different sensors in order to monitor temperature, humidity, pressure etc.
- Power supply is given to the board to provide sufficient power for the system.
- A relay is connected to board which in turn connected to water pump for water supply.
- A LCD display is also connected in order to display the information monitored by sensors.
- By wifi or 3G/4G services we can get information about our land through sms notification.

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 & click confirm	High
	Login	USN-3	As a user, I will receive confirmation email once I have registered for the application	I can register & 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 compared to mobile users