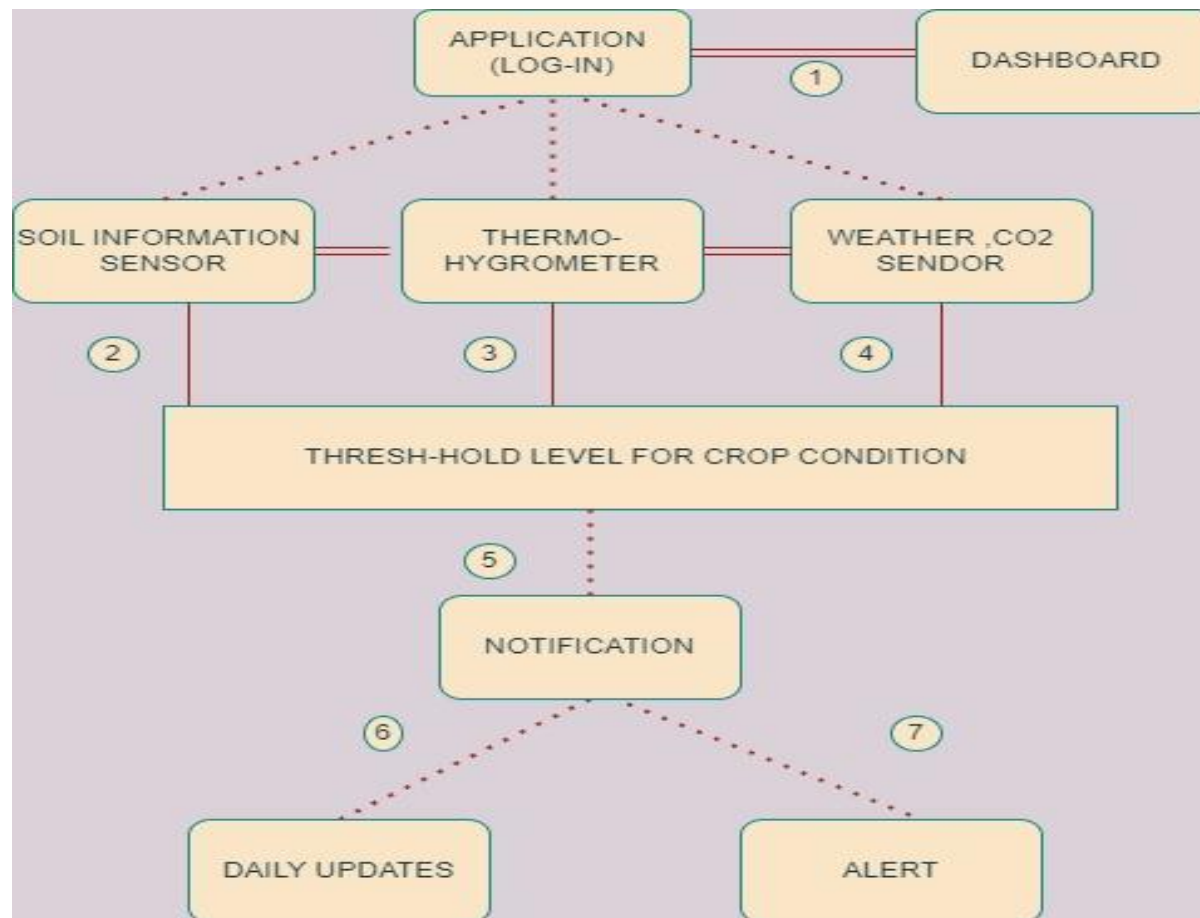


Project Design Phase-II

Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID21246
Project Name	Project - Data flow diagram & user stories
Maximum Marks	4 Marks

Data Flow Diagrams:



DATA FLOW PROCESS:

- 1) The user log in in the application using credentials used while registering, choose in dashboard to access information about crops or experts advice
- 2) The sensors placed in the soil send its data about the condition of the soil
- 3) Sensors send information about condition of humidity in air
- 4) Sensors send information about the condition of co2 level etc..
- 5) The threshold value is present for the condition of crop, soils etc. The decision on whether to display daily updates or alert as notification depends on the condition of the farm. Notification is sent on both the occasions depending on the situation.
- 6) If the condition of the farm far exceeds the threshold value, it alerts the user to take action
- 7) If not the daily updates are displayed along with the suggestions if necessary.

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Farmer)	Registration	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	Sprint-1
		USN-2	As a user ,I can register the type of crops in the farm	I can get necessary details about crop	Medium	Sprint-2
		USN-3	As a user, I can obtain realtime updates of the crops and soil	I can know about constraints in ph of soil and health of crop	High	Sprint-1
		USN-4	As a user, I can receive emergency notification incase of emergency	I can act efficiently incase of emergency	High	Sprint-1
		USN-5	As a user ,I can receive experts advise in time of need	Efficient output of crop	High	Sprint-1
	Login	USN-6	As a user ,I can use the application by entering mail and password	I can log into application	High	Sprint-2
	Dashboard	USN-6	As a user,I can choose among the experts for discussion and informatio about crops registered	I can select among the given expert and crops	Medium	Sprint-2
Customer (Application user)	Generating Data	USN-7	As a user,I am able to get information about the crops and get experts advice regarding the crops condition	Better information about crop and experts from application	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Notification	USN-8	As a user,I can get notification updates of crops condition and notification incase of emergency	I can receive notification	High	Sprint-1
Customer Care Executive	Efficient care of crops	USN-9	As a executive,I can help the farmers use the application to nourish the crops better	Efficient crop output	High	Sprint-2
Administrator	Administering the crop data	USN-10	As a admin,I am able to get through the interface and administer the data functionality	Easy Administration of data when data is updated	High	Sprint-2
	Notification	USN-11	As a admin,send timely updates of crops and alert incase of notification	Timely notifications	High	Sprint-2