Project Design Phase-II
Data Flow Diagram

| Date	21 October 2022
Team ID	PNT2022TMID50396
Project Name	Smart farmer – IOT Enabled Smart Farming Application
Maximum Marks	4 Marks

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.
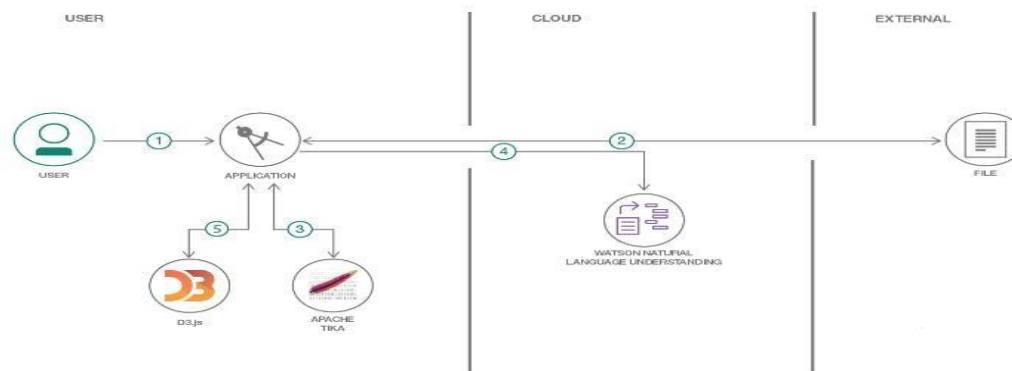
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

```
SMART FARMING BASED ON IOT
```

BLOCK DIAGRAM OF IOT BASED SMART FARMING
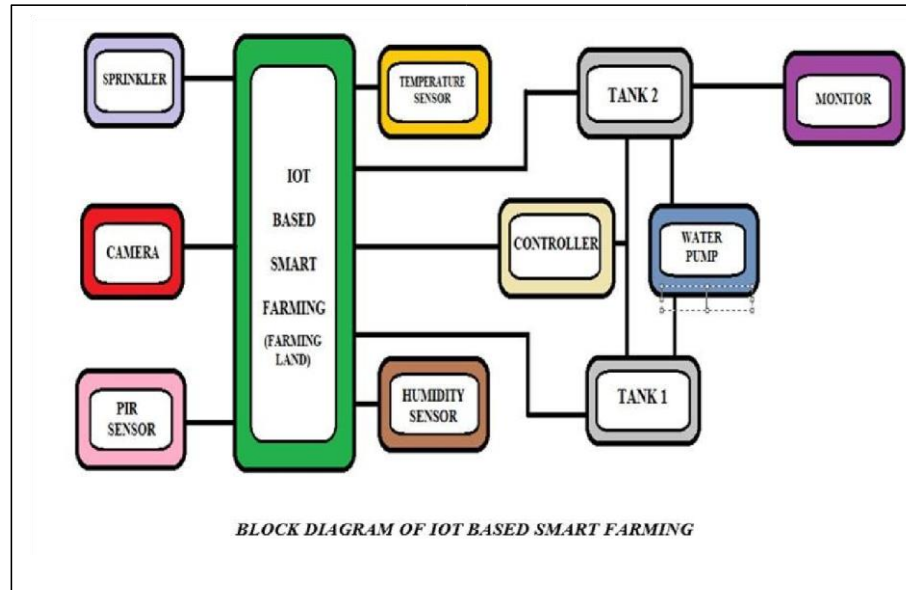
Example: (Simplified)   **User Stories**

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 (Mobile user)	Registration	USN-1	As a user I can user can register or use our application either by enrolment form.	I will receive otp in the mail, I should enter it into the second page of enrolment form.	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I will log into my account the application	High	Sprint-1

		USN-3	As a user, I can register for the application through Facebook, Linked in, Go daddy application.	I can access my account in application either by Facebook Linked in ,Go daddy applications .	Medium	Sprint-2
		USN-4	As a user I can use my account in case I forget I can access my account by asking help desk	I will chat with the technical support team , they will guide me how to access my account	High	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering user ID, password and otp sent to your mobile number or your mail id.	I can access my account after finishing login steps.	High	Sprint-1
	Dashboard	USN-6	Dash board will be available so that you can monitor your daily activity	I can use the dashboard after login in with proper id.	Medium	Sprint-2
Customer (Web user)	Website	USN-1	The customer can analyse and know about the information of farming through our website.	I can work through website for analyzing and maintaining.	High	Sprint-3
Customer Care Executive	Q/A	USN-1	If the customer has a any problem or any doubt can ask through the mentor with the chat box or toll free number that is customer care service.	I will follow through problems faced by the customer and solve as soon as possible.	High	Sprint-3
Administrator	Administration	USN-1	The progress and survey will be undergo by the administration.	I will be double checking everyone's work.	High	Sprint-4