

## Project Design Phase-II Data Flow Diagram & User Stories

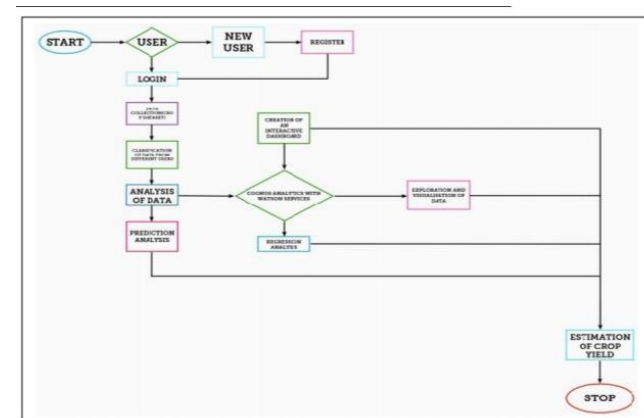
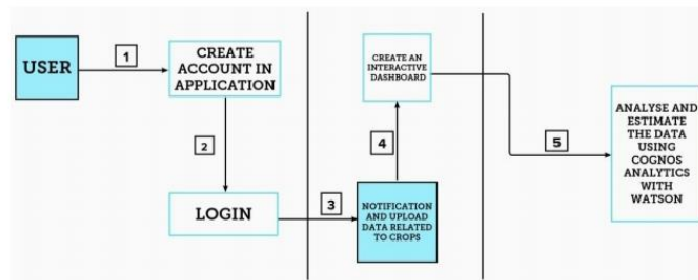
Date	03 October 2022
Team ID	PNT2022TMID51723
Project Name	Estimate the crop yield using data analytics
Maximum Marks	4 Marks

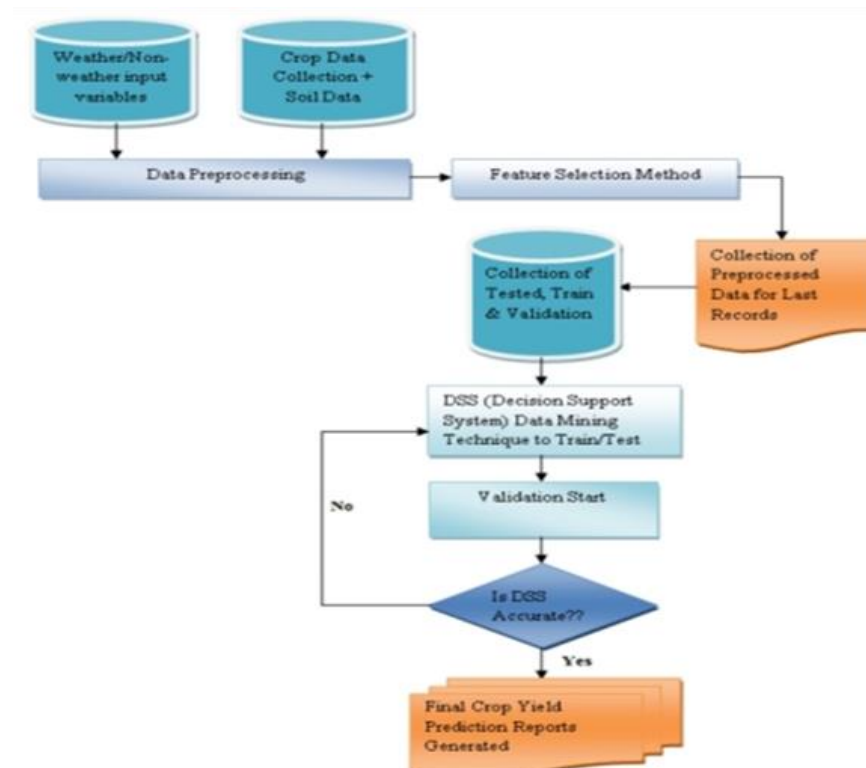
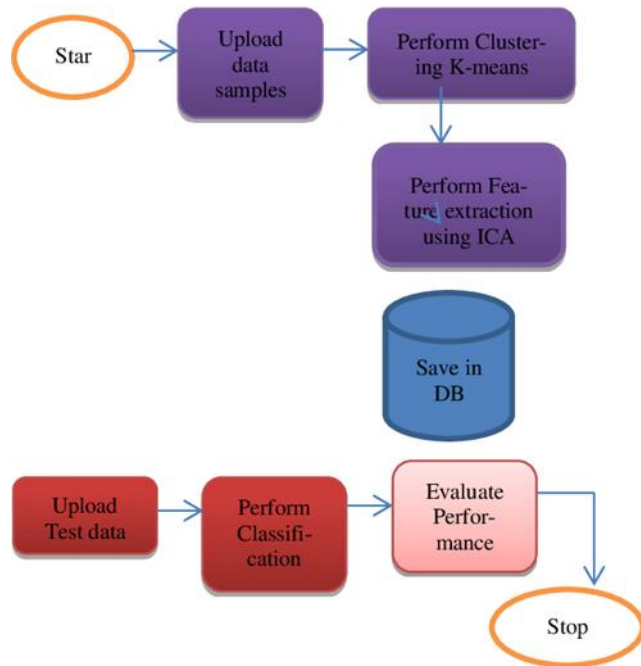
### Data Flow Diagrams:

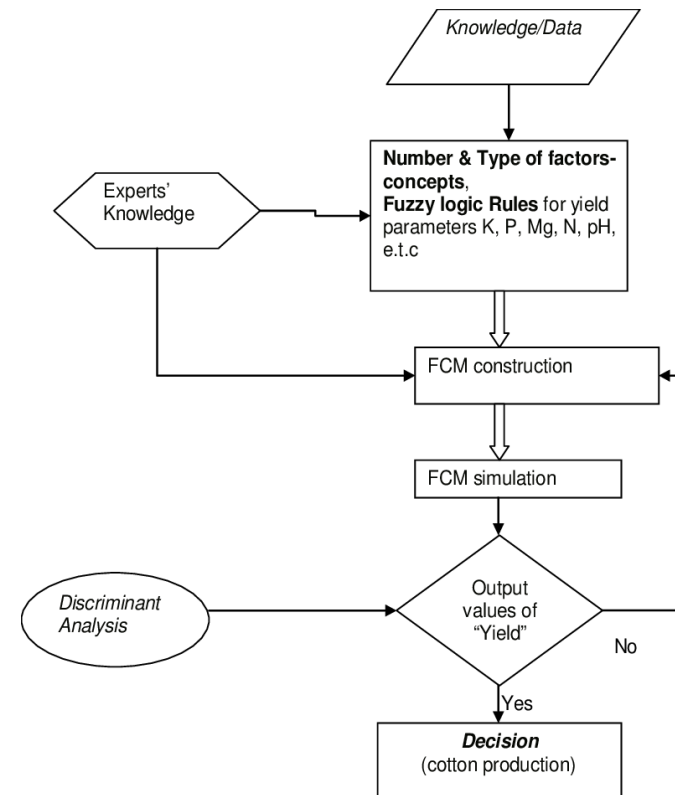
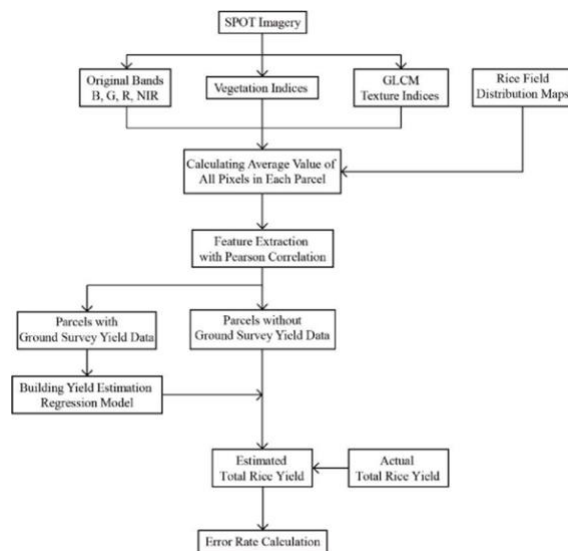
A Data Flow Diagram (DFD) is a graphical or visual representation using a standard set of symbols and notations to describe a business operation through data movement. The use of remote sensing data for crop yield estimation has been demonstrated using a semi physical approach with reasonable success. Accurate and timely crop mapping, planting area statistics, and growth. Crop yield is predicted by considering soil health data, crop production data and rainfall data.

Example: DFD Level 0 (Industry Standard)

### 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 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 will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with Gmail and login.	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can access the resources using my login	High	Sprint-1
	Dashboard	USN-6	As a user, I can view and access the dashboard of mine.	I can analyse the current activities of crop production.	High	Sprint-1
	Analysis and estimation	USN-7	As a user, I can view the analysis of crop and estimation of yield.	I can get the estimation of crop yield using cognos analytics with watson	High	Sprint-1
Customer (Web user)	Registration	USN-8	As a user, I can register for the application through any web browser.	I can get notification from browser and can access my account/ dashboard.	Low	Sprint-1
Customer Care Executive		CCE-1	As a customer care executive I will always be available for the interaction with the customer to clarify the queries.	I will note down or receive the customers complaints and solve their problems.	High	Sprint-2
Administrator		ADMIN-1	As an administrator, I will manage backup and recovery, data modelling and design, distributed computing, database systems, and a data security.	I can evaluate, design, review and implementing a data and they are also responsible for updating and maintaining the data.	High	Sprint-2