ProjectDesignPhase-II
DataFlowDiagram &User Stories
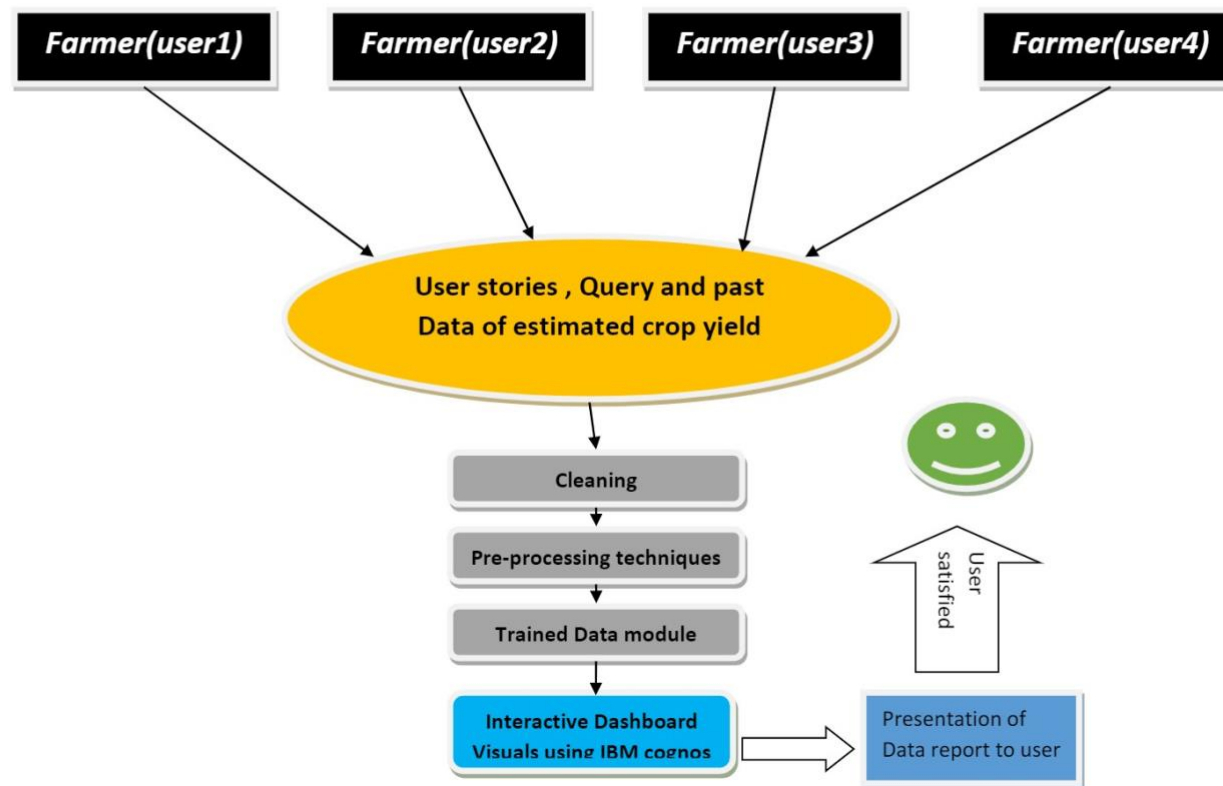
Date	15October2022
TeamID	PNT2022TMID52468
ProjectName	Project – Estimation of crop yield using dataanalytics
MaximumMarks	4Marks

DataFlowDiagrams:

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 rightamount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data isstored.

Example:(Simplified)

Data Flow :

```
Farmer(user1)    Farmer(user2)    Farmer(user3)    Farmer(user4)
```

**User stories , Query and past
Data of estimated crop yield**

Cleaning

Pre-processing techniques

Trained Data module

**Interactive Dashboard
Visuals using IBM cognos** → Presentation of
Data report to user

User
satisfied

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 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 Whatsapp , Facebook	I can register & access the dashboard with Whatsapp , Facebook Login	Low	Sprint-1
	Required Data	-	Cropping history , profit and loss in their farming	Past dataset of cropping and field estimation of crop yield	High	Sprint-2
	Analysis		Clean and analyse to data according to the set past data		HIgh	Sprint-3
Customer Care Executive	Customer Care Executive (Communication)		As a user, i can provide support systems for companies that often communicate with the customers	I can maintain strong relationships with customer and client ,so I can ease their queries and increase productivity	medium	Sprint-4
Estimator	Estimation		As a user,i can see all the items we will try to estimate this session	I have a feel for the size of the various items in the product based	Medium	Sprint-4