

## Project Design Phase-II

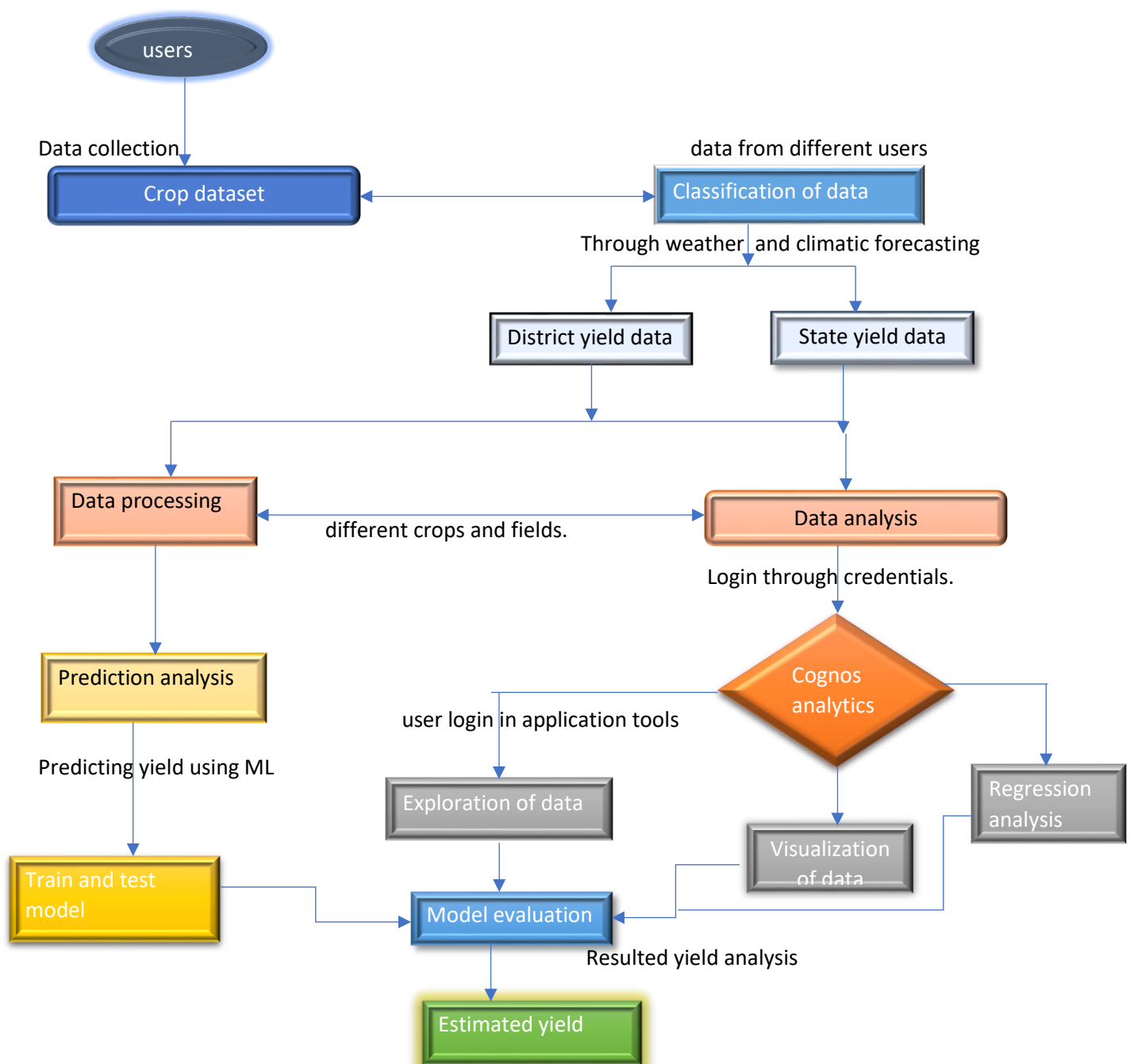
### Data Flow Diagram & User Stories

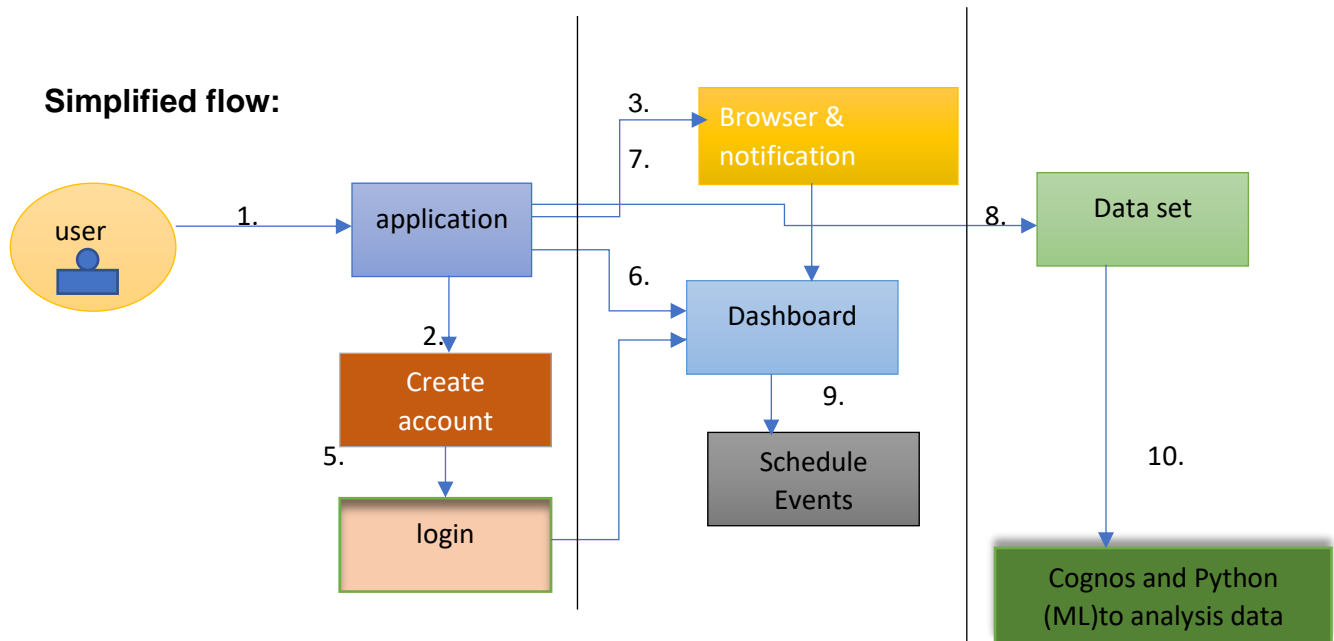
Date	14 October 2022
Team ID	PNT2022TMID40545
Project Name	Estimation of crop yield and data analytics.
Maximum Marks	4 Marks

#### 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.

#### Data flow diagram:





1.user configure credentials for the IBM Watson-COGNOS ANALYTICS.

2.User can create account for analysis.

3. User can access application by any browser.

4. selected data can be extracted.

5.As a user, once I had registered I can login to it by the credentials.

6. I can access the dashboard.

7. The notification for the user by browser on login on application.

8.Extracted data is passed to data analytics for enrichment

9. schedule the events and task.

10.Enriched data is visualized using the cognos and ML.

## User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (mobile user)	Registration	USN-1	user can register for the application by entering my email and password.	User can access the platform and account.	High	Sprint-1
		USN-2	User will receive email if the registration is successful. That the registration has conformed.	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register by any browser.	I can access my resource, application by any browser.	Low	Sprint-2
	Data extract	USN-4	As a user, I can extract data.	I can access the data source.	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard	USN-6	I can access the dashboard of mine.		medium	Sprint-2
Customer (Web user)	Activity	USN-7	I can register for the application through any web browser.	I can get an notification from the browser.	low	Sprint-1
	Access resources	USN-8	I can use my credentials For accessing my resources.	Other than me, there is less chance to access my resources.	high	Sprint-1
	Set events	USN-9	As, a user I can schedule events and set events.		high	Sprint-2
Customer tools	Tools	USN-10	I can perform analysis by tools(cognos and with ML)	I have an ease of accessing tools.	high	Sprint-1