

## Project Design Phase-II

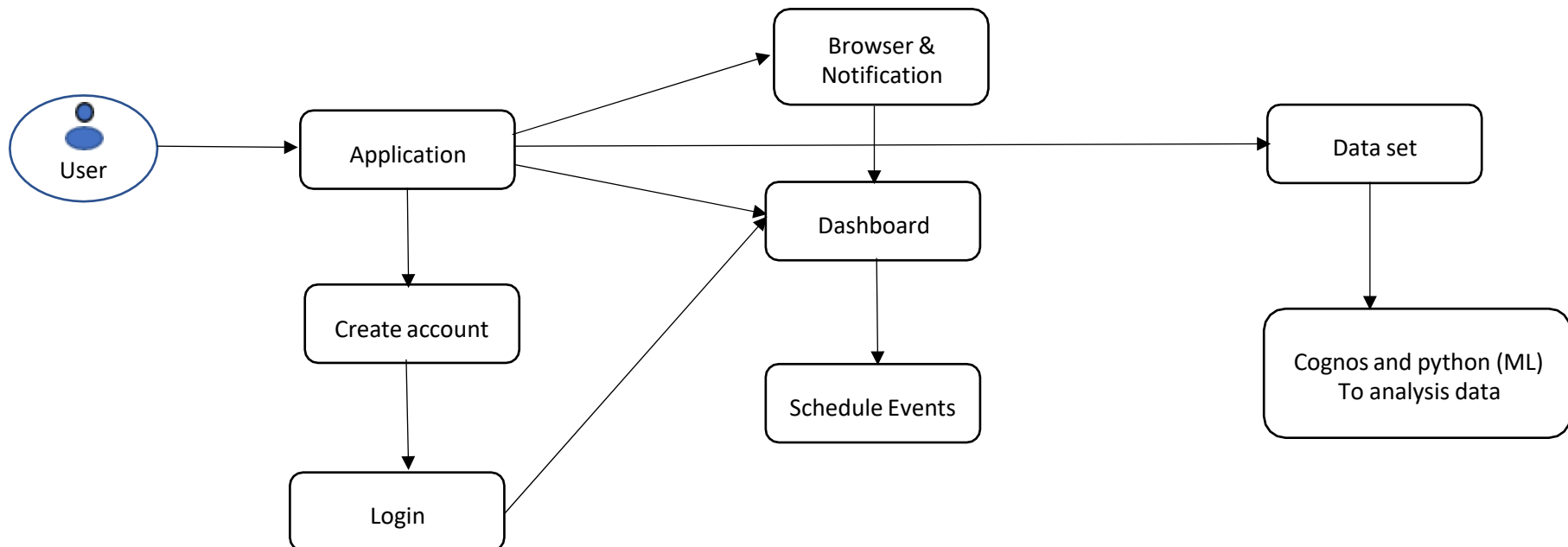
### Data Flow Diagram & User Stories

|               |  |
|---------------|--|
| Date          | 18 October 2022                              |
| Team ID       | PNT2022TMID24138                             |
| Project Name  | Estimate the Crop Yield Using Data Analytics |
| Maximum Marks | 4 Marks                                      |

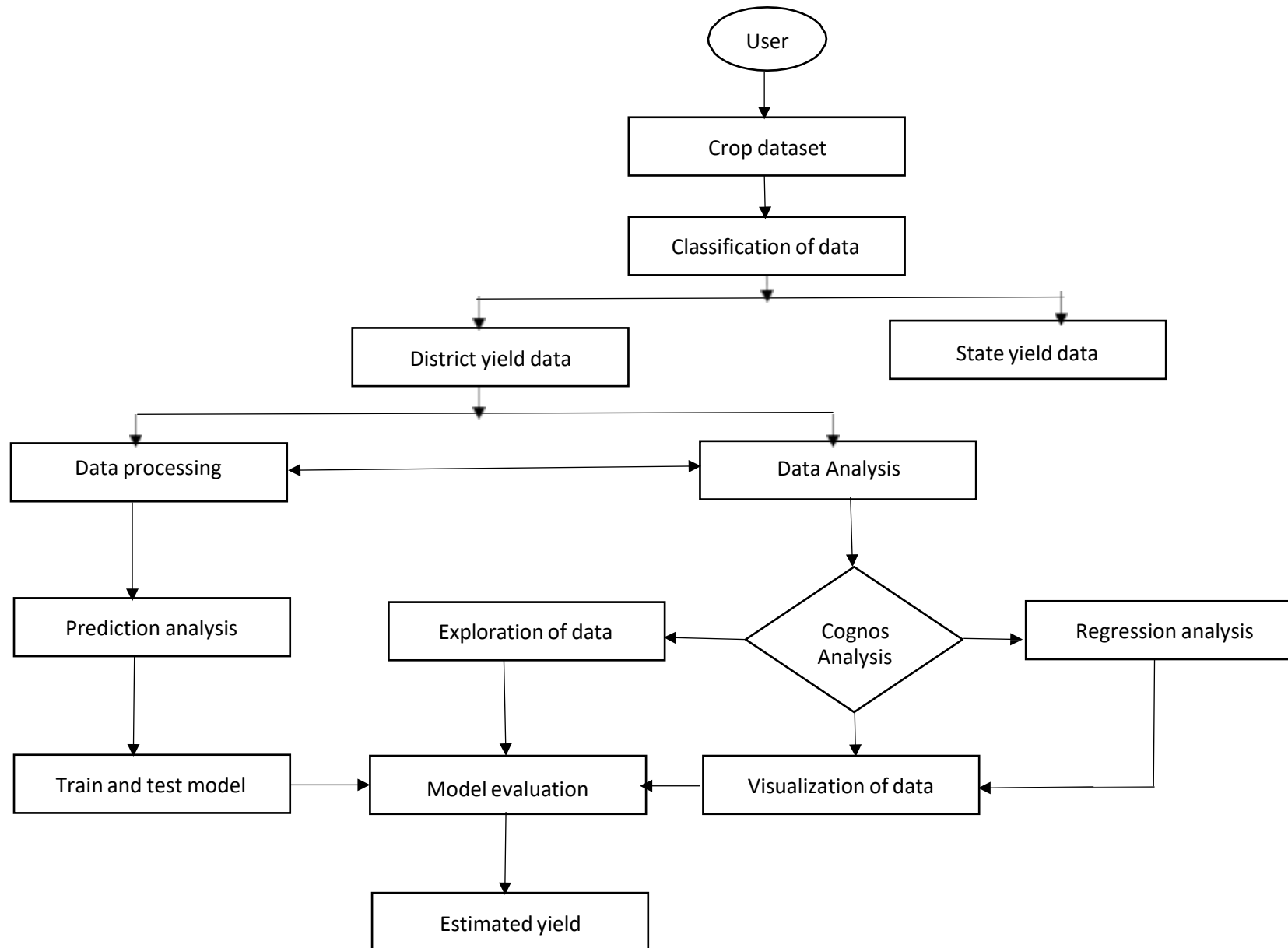
#### Data Flow Diagrams:

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.

#### Example: Simplified Flow



**Data flow diagram:**



## 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 and Laptop users ) | 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   |   | 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             | Can use the methods provided in the dashboard   |   | Medium   | Sprint-1  |
|  | Invest                        | USN-7             | With help of desired results obtained from application, making profit or loss                             | Gain or Loss  | High     | Sprint-2  |
| Administrator                            | Updating data                 |                   | Collecting the data and storing it  | Checking and updating dataset                             | High     | Sprint-1  |
| Customer (Web User)                      | Accessing the resources       | USN -8            | Using my own credentials for accessing the data   | These resources cannot be accessed by others but only me  | High     | Sprint -1 |
|  | Satellite Visioning           | USN -9            | Having a view with geographic data  |   | Medium   | Sprint-2  |
| Customer tools                           | Tools                         | USN -10           | Analysis is performed by tools like cognos analytics  | Ease of accessing the tools                               | High     | Sprint 2  |