

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

|               |                                             |
|---------------|---------------------------------------------|
| Date          | 17 October 2022                             |
| Team ID       | PNT2022TMID53155                            |
| Project Name  | Estimate the Crop Yield using Data Analysis |
| 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.

### 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 username, password, and confirming my password. | I can access my account / dashboard.                                                                                | High     | Sprint-1 |
|                         | Login                                    | USN-2             | As a registered user, I can login to the website whenever I want any predictions.                            | I can access to my account and view dashboard, story, and report.                                                   | High     | Sprint-1 |
|                         | Logout                                   | USN-3             | As a user, I can logout of the webpage.                                                                      | I can logout of the webpage after getting the report.                                                               | High     | Sprint-1 |
|                         | Data                                     | -                 | I can view the crop yield history, past profits and losses                                                   | I can access past dataset of crop yield in India                                                                    | High     | Sprint-2 |
|                         | Analysis                                 | USN-4             | I can get clean, processed and analysed data                                                                 | I can access to clean and analysed 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 view the items that are to be estimated                                                     | I can estimate the amount of crop production.                                                                       | Medium   | Sprint-4 |

# Data Flow Diagram:

