**Project Design Phase-II**

**Data Flow Diagram & User Stories**

|  |  |
| --- | --- |
| Date | 12-11-2022 |
| Team ID | PNT2022TMID24269 |
| Project Name | Project–Estimate 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.

**User Stories**

The list all the user stories for the product.

**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 |

**Data Flow :**

***Farmer(user1)***

***Farmer(***

***user3***

***)***

***Farmer(***

***user2***

***)***

***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