Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

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| Date | 20 October 2022 |
| Team ID | PNT2022TMID29985 |
| Project Name | Fertilizers Recommendation System For  Disease Prediction. |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| **Sprint-1** | User Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 10 | High | Sonakshi,  Jagathi,  Sindhu,  Manusha. |
| **Sprint-1** | User Confirmation | USN-2 | As a user, I can log into the application by entering email & password and Confirmation via Email, Confirmation via OTP | 10 | Moderate | Sonakshi,  Jagathi,  Sindhu,  Manusha. |
| **Sprint-2** | Dashboard | USN-3 | As a user, I can access my dashboard | 5 | Moderate | Sonakshi,  Jagathi,  Sindhu,  Manusha. |

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| **Sprint-2** | Image Capturing Processing | USN-4 | Provides Access to Capture Image Through Camera Provides Access to Upload Image Through Gallery, As a user, I can upload the image and gives the prediction and fertilizers | 5 | High | Sonakshi,  Jagathi,  Sindhu,  Manusha. |
| **Sprint-2** | Text Conversion System | USN-5 | System converts and gives the prediction and fertilizers using the CNN model (deep learning algorithm) | 5 | High | Sonakshi,  Jagathi,  Sindhu,  Manusha. |
| **Sprint-3** | Review | USN-7 | Users can give their the feedback or review on the Review page about the Application | 10 | High | Sonakshi,  Jagathi,  Sindhu,  Manusha. |
| **Sprint-3** | Solution | USN-8 | As a user, If user get any queries, then they get suggestions through Help desk. | 10 | Moderate | Sonakshi,  Jagathi,  Sindhu,  Manusha. |

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| **Sprint-4** | Testing & Deployment Phase-I | USN-9 | Testing the Fertilizers Recommendation system performance with the trained conversations/As a user, I can know the Fertilizers Recommendation system performance level | 5 | High | Sonakshi,  Jagathi,  Sindhu,  Manusha. |
|  |  | USN-10 | Integration of Flask webpage with the Fertilizers Recommendation system to provide a framework/As a user, I can see a webpage to access the Fertilizers Recommendation system | 5 | High | Sonakshi,  Jagathi,  Sindhu,  Manusha. |
| **Sprint-4** | Deployment Phase-II & Model Improvement | USN-11 | Deployment of AI based Running the Fertilizers Recommendation system service/As a user, I can see and use a 24\*7 Fertilizers Recommendation system | 5 | High | Sonakshi,  Jagathi,  Sindhu,  Manusha. |
|  |  | USN-12 | Improving the model efficiency whenever needed/As a user, I can see new updated Fertilizers Recommendation system in Future days. | 5 | High | Sonakshi,  Jagathi,  Sindhu,  Manusha. |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| Sprint-1 | 20 | 4 Days | 31 Oct 2022 | 03 Nov 2022 | 20 | 03 Nov 2022 |
| Sprint-2 | 20 | 5 Days | 03 Nov 2022 | 07 Nov 2022 | 20 | 07 Nov 2022 |
| Sprint-3 | 20 | 5 Days | 08 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |

**Velocity:**

The team’s average velocity (AV) per iteration unit (story points per day)

***AV = 20/6 = 3.34***