**PROJECT PLANNING PHASE**

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

|  |  |
| --- | --- |
| Team ID | PNT2022TMID48144 |
| Project Name | Project **-** Detecting Parkinson’s Disease  Using Machine Learning |
| Maximum Marks | 8 Marks |

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

The below template shows the product backlog and sprint schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Upload Images | USN-1 | As a user, I can upload the images in the website in order to obtain the prediction result of Parkinson’s disease | 2 | High | * SUSMA * VASANTHA KUMAR * VEERADHURGA * VINOSIKA |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-4 | Test Vital Page | USN-2 | As a user, I will get the prediction result and accuracy on the test vital page. | 3 | High | * SUSMA * VASANTHA KUMAR * VEERADHURGA * VINOSIKA |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-2 | Dashboard | USN-3 | Dashboard displays the symptoms, causes and medications for the Parkinson disease | 2 | Low | * SUSMA * VASANTHA KUMAR * VEERADHURGA * VINOSIKA |
| Sprint-1 | Data Collection | USN-4 | As an Administrator, I need to collect data (images of spirals and waves drawn by healthy people and Parkinson’s patients). | 2 | High | * SUSMA * VASANTHA KUMAR * VEERADHURGA * VINOSIKA |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Data Pre- Processing | USN-5 | As an Administrator, I should clean my data and prepare it for model building by doing pre-processing activities such as resizing, visualizing the dataset and converting from RGB to grayscale | 2 | High | * SUSMA * VASANTHA KUMAR * VEERADHURGA * VINOSIKA |
| Sprint-2 | Model Building | USN-6 | As an Administrator, I need to build the model using Random  Forest Classifier for spiral images and Convolutional Neural Networks  (CNN) for wave images | 3 | High | * SUSMA * VASANTHA KUMAR * VEERADHURGA * VINOSIKA |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 | Deployment of Model | USN-7 | As an Administrator, I need to deploy the Machine Learning model that was built. | 2 | Medium | * SUSMA * VASANTHA KUMAR * VEERADHURGA * VINOSIKA |