**PAAVAI COLLEGE OF TECHNOLOGY,NAMAKKAL**

**FERTILIZER RECOMMENDATION FOR DISEASE PREDICTION**

| **PHASE NAME** | **PROJECT PLANNING** |
| --- | --- |
| **TOPIC** | **SPRINT DELIVERY** |

**PROJECT PLANNING TEMPLATE(PRODUCT BACKLOGS,SPRINT PLANNING,STORIES,STORY POINTS)**

| **NAME** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| --- | --- |
| **DATE** | **5th November 2022** |
| **MAXIMUM MARKS** | **4 Marks** |
| **MARKS ALLOTTED** |  |

**SPRINT DELIVERY**

| **SPRINT** | **Functional requirements** | **User story number** | **User story/task** | **Story points** | **Priority** | **Team members** |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint 1** |  | **USN-1** | **As a customer I can understand the farmer’s problem.because country farmers face numerous challenges,searches detecting the actual disease .** | **3** | **medium** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint 1** |  | **USN-2** | **Data collection -include gathering photos of diseased leaves from various types** | **2** | **medium** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint 1** |  | **USN-3** | **Image pre-processing -preprocess the disease -affected photos by doing things like rotating them to grayscale and calling them** | **3** | **low** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint 1** |  | **USN-4** | **Train and test the gathered dataset,as well as assess its accuracy** | **4** | **medium** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint 2** |  | **USN-5** | **Model building-creating a CNN model for image segmentation** | **5** | **High** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint 2** |  | **USN-6** | **CNN model evaluation-checking the accuracy and precision of the CNN model** | **3** | **High** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint 2** | **DEVELOPMENT PHASE** | **USN-7** | **SVM algorithm-the SVM algorithm is used to classify images and provide 95% accuracy** | **5** | **High** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint 2** |  | **USN-8** | **Create a database for each dataset class** | **3** | **Medium** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |

| **SPRINT** | **Functional requirements** | **User story number** | **User story/task** | **Story points** | **priority** | **Team members** |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint-2** |  | **USN-9** | **Creation of user database for the user details** | **2** | **Low** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint-2** |  | **USN-10** | **Description page-The Description page offers information on the predicting criteria as well as user guides** | **3** | **Medium** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint-3** |  | **USN-11** | **Login page-login with the users email address** | **2** | **Low** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint-3** |  | **USN-12** | **Assess via password** | **3** | **Medium** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint-3** |  | **USN-13** | **Dashboard and input page creation -user profiles and prediction accuracy are included.we can feed the input images into the input pages** | **2** | **Low** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint-3** |  | **USN-14** | **Prediction page-Display the prediction depending on user input** | **2** | **Low** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint-4** |  | **USN-15** | **Model load-creation of API using FLASK** | **4** | **Medium** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint-4** | **DEVELOPMENT PHASE** | **USN-16** | **User interface and back end API calls are connected** | **5** | **High** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint-4** | **DEVELOPMENT PHASE** | **USN-17** | **Using IBM cloud to deploy the application** | **5** | **High** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint-4** | **TESTING PHASE** | **USN-18** | **Test that the application function works with good accuracy and low latency** | **5** | **High** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |
| **Sprint-4** | **TESTING PHASE** | **USN-19** | **Testing the application as a user ensures that all user interfaces are operational and that the prediction accuracy is correct** | **5** | **High** | **1.MATHIARASI JAGANATHAN(TEAM LEAD)**  **2. SANDHIYA.P**  **3.KAVIPRIYA.R**  **4.MAMTHA.M**  **5.SAABIRA.S** |