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

Date	5th November 2023
Team ID	593151
Project Name	Project - Predicting Mental Health Illness Of Working Professionals Using Machine Learning
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Authentication	USN-1	As a user, I want a secure authentication process to ensure the confidentiality of my mental health data.	3	High	Keerthika
Sprint-1	Intuitive Questionnaire	USN-2	As a user, I want an intuitive questionnaire interface to easily provide details about my employment status and other relevant attributes.	5	Medium	Devadharshika

Sprint-2	Machine Learning Integration	USN-3	As a user, I want the mental health predictor to employ advanced machine learning algorithms like Random Trees and Logistic Regression for accurate predictions.	8	High	Keerthika
Sprint-	Results Presentation	USN-4	As a user, I want the mental health predictor to present clear and concise results, helping me gauge my mental well-being at a glance.	5	Medium	Devadharshika
Sprint-3	Customizable Notifications	USN-5	As a user, I want the ability to customize the frequency and format of notifications related to my mental health results.	3	Low	Keerthika
Sprint-3	Data Privacy Features	USN-6	As a user, I want control over my data, with the option to delete or anonymize it from the system when discontinuing use.	5	Medium	Devadharshika
Sprint-4	Professional Collaboration	USN-7	As a user, I want the option to share my mental health results with healthcare professionals or counselors for further guidance and support.	8	High	Keerthika

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

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	7 Days	20 Oct 2023	27 Oct 2023	13	29 Oct 2023
Sprint-2	21	7 Days	27 Oct 2023	03 Nov 2023	17	03 Nov 2023
Sprint-3	18	7 Days	03 Nov 2023	10 Nov 2023	12	05 Nov 2023
Sprint-4	5	7 Days	10 Nov 2023	17 Nov 2023	5	10 Nov 2023

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 16 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

AV= Sprint Duration

    _____

     Velocity

  =   16 / 7

  =   2.28

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts