PROJECT PLANNING PHASE

PROJECT PLANNING TEMPLATE (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID35483
Project Name	Early Detection of Chronic Kidney Disease 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	Dataset	USN-1	Use dataset from Google and clean the dataset	10	High	SK,AD,KK,AJ
Sprint-1	Model	USN-2	Create, test and save the model	10	High	SK,AD,KK,AJ
Sprint-2	Display	USN-3	Display user entry form to user	6.7	High	SK,AD,KK,AJ
Sprint-2	Enter data	USN-4	Receive data from user as numeric values	6.7	High	SK,AD,KK,AJ
Sprint-2	Enter data	USN-5	Receive data from user as selection from pull down menu	6.7	High	SK,AD,KK,AJ
Sprint-3	Select	USN-6	As a user can select prediction	10	Medium	SK,AD,KK,AJ
Sprint-3	View data	USN-7	As a user can view final result	10	Medium	SK,AD,KK,AJ
Sprint-4	Deployment	USN-8	Deploy into IBM cloud	20	High	SK,AD,KK,AJ

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	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 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:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day).

AV = sprint duration/velocity = 20/10 = 2

AV of CKD project = 20 / 6 = 3.333

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