

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	18October 2022
Team ID	PNT2022TMID07996
Project Name	Early Detection of Chronic Kidney Disease Using Machine Learning
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Collecting the Dataset	USN-1	I need to collect dataset provided by IBM resource	2	High	Kaviya P Nishalini C Ramya G Muthamizh Selvan M
Sprint-1	Data Pre-processing	USN-2	I need to take raw data from dataset and transform it into a format which is more understandable and analysed by machine learning algorithms.	3	High	Kaviya P Nishalini C Ramya G Muthamizh Selvan M
Sprint-2	Building the Model	USN-3	I need to explore the various types of algorithms which can be used to train and test the model for predicting the best accurate output.	4	High	Kaviya P Nishalini C Ramya G Muthamizh Selvan M
Sprint-2	Model Evaluation	USN-4	After building the model I need to select the best ML model based on high accuracy for accurate prediction.	4	High	Kaviya P Nishalini C Ramya G Muthamizh Selvan M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	UI Designing	USN-5	As a developer, I need to design a simple and understandable user interactive UI	3	Medium	Kaviya P Nishalini C Ramya G Muthamizh Selvan M
Sprint-3	UI Integration	USN-6	As a developer, I need to integrate the user interface and the trained model using Flask.	3	Medium	Kaviya P Nishalini C Ramya G Muthamizh Selvan M
Sprint-4	Integration with IBM Cloud	USN-7	Integrating trained IBM Cloud Model with scoring endpoints using flask.	4	High	Kaviya P Nishalini C Ramya G Muthamizh Selvan M
Sprint-4	Deployment	USN-8	Deploying the IBM model, backend, flask and frontend application in Cloud	3	High	Kaviya P Nishalini C Ramya G Muthamizh Selvan M
Sprint-4	Further Classification	USN-9	Providing user about the prevention measures ,treatment suggestion and healthy diet routine suggestion.	2	Medium	Kaviya P Nishalini C Ramya G Muthamizh Selvan M

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	5	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022	8	05 Nov 2022
Sprint-3	6	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	9	6 Days	14 Nov 2022	19 Nov 2022	9	19 Nov 2022

Velocity:

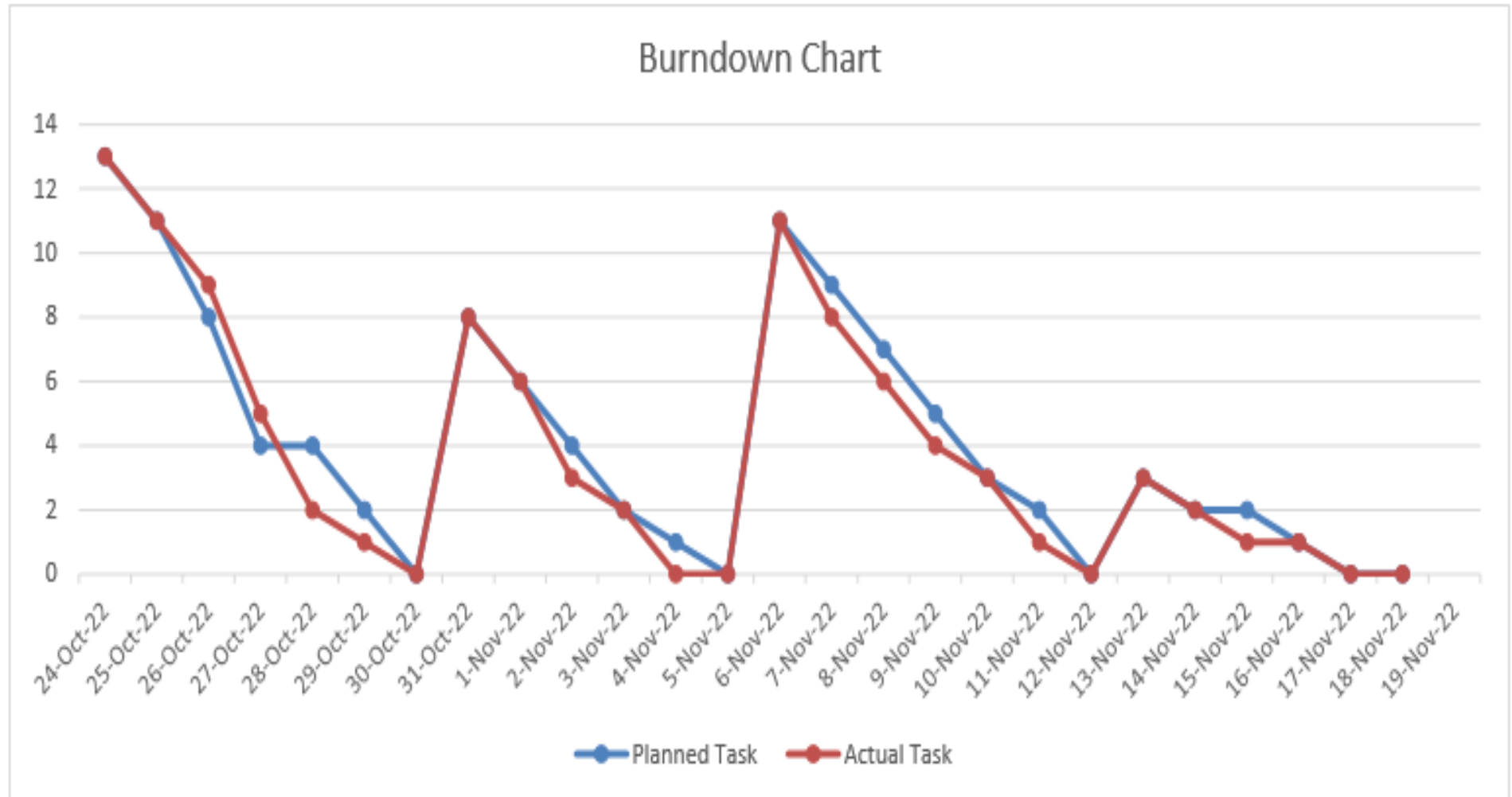
Sprint 1 AV = Sprint duration/velocity = 5/6 = 0.83

Sprint 2 AV = Sprint duration/velocity = 8/6 = 1.33

Sprint 3 AV = Sprint duration/velocity = 6/6 = 1.00

Sprint 4 AV = Sprint duration/velocity = 9/6 = 1.50

Burndown Chart:



JIRA file:

Road Map:

