

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

Date	22 October 2022
Team ID	PNT2022TMID17716
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	Data Collection and preprocessing	USN-1	Data collection and preprocessing	10	High	Abarna Annalakshmi S Amruthaa Shree P Sushma S Durga M
Sprint-2	Data preprocessing and visualization	USN-2	Data preprocessing and visualization.	10	High	Abarna Annalakshmi S Amruthaa Shree P Sushma S Durga M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Model Building	USN-3	Model Building and dumping pkl file	10	High	Abarna Annalakshmi S Amruthaa Shree P Sushma S Durga M
Sprint-4	Prediction of disease	USN-4	Web page creation using flask and do prediction	10	High	Abarna Annalakshmi S Amruthaa Shree P Sushma S Durga 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	20	6 Days	24 Oct 2022	30 Oct 2022		
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). The team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{Sprint duration} / \text{velocity} = 20 / 6 = 3.33$$

Burndown Chart

