

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID35275
Project Name	Project - Early Detection of Chronic Kidney Disease
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	USN-1	Collect the appropriate dataset for detection of Chronic Kidney Disease.	10	High	Ishwarya Rani M
Sprint-1	Data Pre-processing	USN-2	Transform the collected data into useful readable format through data pre-processing.	10	High	Subashini M
Sprint-2	Model Building	USN-3	Identifying the variations in the test reports of a diseased person and calculating the severeness of damage.	10	Medium	Jeyasri Meenakshi K
Sprint-2	Model Building	USN-4	Splitting the available dataset as training and testing datasets for the model.	10	Medium	Dhamodharan S
Sprint-3	Training and Testing	USN-5	Training the model using classification algorithms and testing the performance of the model.	10	High	Jeyasri Meenakshi K
Sprint-3	Application Building	USN-6	Develop HTML code for user interface and Python code for connection of model.	10	High	Ishwarya Rani M
Sprint-4	Application Building	USN-7	Running of Flask with connection of model to get the detection result from the model.	10	Medium	Subashini M
Sprint-4	Implementation of Application	USN-8	Completion of Application and Deployment in IBM Cloud.	10	Medium	Mohammed Farook A

**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	5 nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	7 nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 nov 2022

**Velocity:**

Imagine we have a 6-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)

$$AV=20/6=3.33$$

## Burndown Chart:

A burndown 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.

