

## Project Planning Phase

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

Date	22 October 2022
Team ID	<b>IBM-Project-25390-1659961381</b>
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	7	High	DANUSHRAJ M
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	7	High	JOEL MOSES S
Sprint-1		USN-3	As a user, I can register for the application through Facebook	3	Medium	MICHAEL ROSHAN J
Sprint-1		USN-4	As a user, I can register for the application through Gmail	3	Medium	HARISH V
Sprint-2	Login	USN-5	As a user, I can log into the application by entering email & password	20	High	DANUSHRAJ M,JOEL MOSES S,MICHAEL ROSHAN J,HARISH V

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-3	Dashboard	USN-6	As a user,I can see current health status,personalize the interface etc.	10	High	MICHAEL ROSHAN J,HARISH V
Sprint-3		USN-7	As a user,I can update my user profile,medical details and have access to all the medical records.	5	Medium	JOEL MOSES S
Sprint-3		USN-8	As a user ,I can add or customize all the health fit tracking devices.	5	Medium	DANUSHRAJ M
Sprint-4	Notifications manager	USN-9	As a user,I can get to know about my health condition at regular intervals via monitoring system.	4	High	MICHAEL ROSHAN J,HARISH V
Sprint-4	Appointments	USN-10	As a user,I can book appointments with nearby health care specialist for consultation along with the current medical status report of the user.	3	Medium	DANUSHRAJ M
Sprint-4	SOS	USN-11	In emergency scenario,the automated system must intimate the nearby emergency facility for assistance and also notify their guardian.	10	High	DANUSHRAJ M,JOEL MOSES S,MICHAEL ROSHAN J,HARISH V
Sprint-4	Community support service	USN-12	As a patient, I can connect with people of the community to share thoughts and embrace self confidence to fight against the disease.	3	Medium	JOEL MOSES S,MICHAEL ROSHAN J,

**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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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)

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

### 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.

