

## Project Planning Phase

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

Date	03 November 2022
Team ID	PNT2022TMID22908
Project Name	ANALYTICS FOR HOSPITALS' HEALTH-CARE DATA
Maximum Marks	10 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	API and Database connectivity	USN-1	As an analyser , I use Kaggle API to gather the dataset	3	Medium	Abirami G
		USN-2	As an analyzer , I can create database connectivity using IBM Cloud and IBM Cognos Analytics.	5	High	Dharani M Bhava Harini B
		USN-3	AS an analyzer , I can pre-process the data and Explore it .	5	High	Kavi Arasu PK Dharani M,
Sprint-2	Dashboard	USN-4	As an analyser, I can add the created visualizations to the dashboard (Creating dashboard)	8	High	Abirami G Kavi Arasu P K
Sprint-3	Report, Story	USN-5	As an analyser, I can create reports for the given dataset (Creating report)	8	High	Bhava Harini B Abirami G
		USN-6	As an analyser, I can create story for the given dataset	8	High	Kavi Arasu PK Bhava Harini B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			(Creating story)			
Sprint-4	Documentation	USN-7	We create our entire project documentation.	10	High	Dharani M Abirami G

#### 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	13	12 Days	24 Oct 2022	04 Nov 2022		
Sprint-2	8	2 Days	05 Nov 2022	06 Nov 2022		
Sprint-3	16	2 Days	07 Nov 2022	08 Nov 2022		
Sprint-4	10	4 Days	09 Nov 2022	12 Nov 2022		

**Velocity:**

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

Average velocity for sprint-1:

$$AV = 13/12 = 1.08$$

Average velocity for sprint-2:

$$AV = 8/2 = 4$$

Average velocity for sprint-3:

$$AV = 16/2 = 8$$

Average velocity for sprint-4:

$$AV = 10/4 = 2.5$$

## Burndown Chart:

