Project Planning Phase

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

Date	28 October 2022
Team ID	PNT2022TMID39437
Project Name	Project – Personal Assistance for Seniors Who are Self Reliant
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	Cloud services	USN-1	Create and configure the IBM Cloud services which are being used in this project.	7	High	C Chithra, S Janani, D Komala, M Nandhini.
Sprint-1		USN-2	To connect the IOT devices to IBM cloud, create IBM Watson IoT platform which acts as the mediator to connect the web application to IoT devices.	6	Medium	C Chithra, S Janani, D Komala, M Nandhini.
Sprint-2	Node-Red Service	USN-3	Create a Node-RED service.	6	High	C Chithra, S Janani, D Komala, M Nandhini.
Sprint-2		USN-4	Configuring the connection security and create API keys that are used in the Node-RED service for accessing the IBM IoT Platform.	8	High	C Chithra, S Janani, D Komala, M Nandhini.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	MIT App Inventor	USN-5	Develop an Application that reminds elders to take their medicines.	5	Medium	C Chithra, S Janani, D Komala.
Sprint-3		USN-6	After developing an application upload the data's to the device that reminds them to take their medicine on time as scheduled.	7	High	C Chithra, S Janani, D Komala, M Nandhini.
Sprint-4	Web UI	USN-7	Create Web UI using Node- Red and Configure the Node-RED flow to receive data from the IBM IoT platform and also use Cloudant DB nodes to store the received sensor data in the cloudant DB	6	Medium	C Chithra, S Janani, D Komala, M Nandhini.

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	05 Nov 2022
Sprint-3	20	6 Days	06 Oct 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

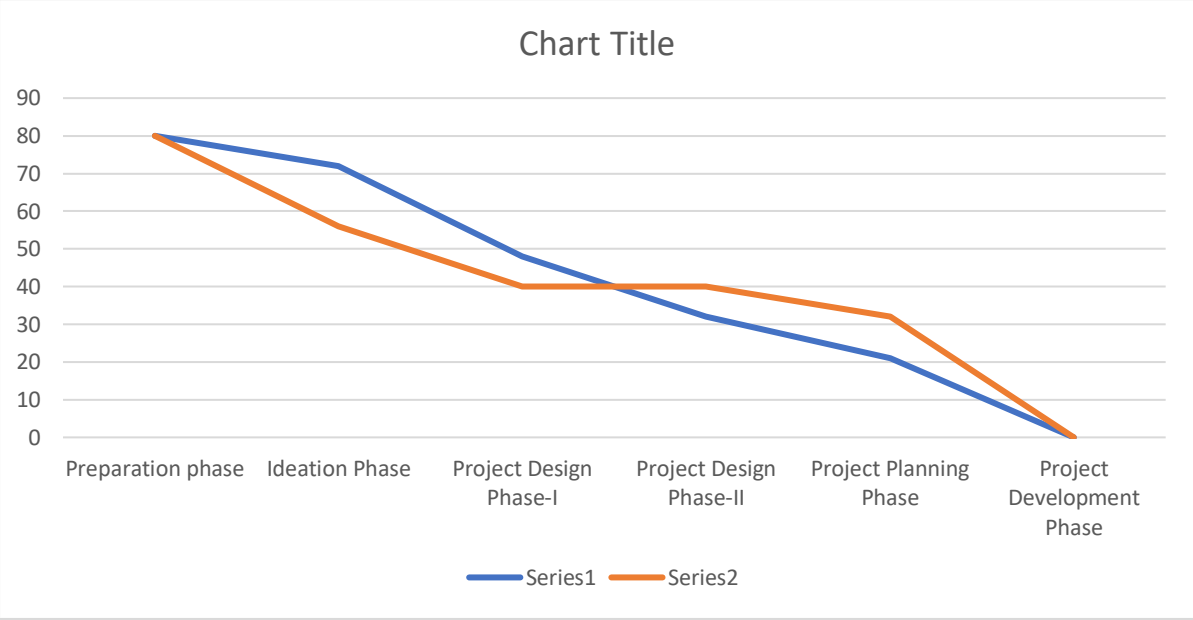
Velocity:

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)

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

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.



Series1 – Actual

Series 2- Planned and Executed