

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID10647
Project Name	Chatbot for College management System
Maximum Marks	8 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	IBM Watson Assistant Creation	USN-1	As a user, I can register for IBM skills build and create a Watson Assistant Service.	12	High	Harish, Ajithkumar, Barathraj, Adhavan
Sprint-1	Action Skills Creation	USN-2	As a user, I can add new action skills to resolve customer queries.	4	High	Ajithkumar, Barathraj
Sprint-1	Admission Process	USN-3	As a user, I can get the details of required documents for Student admission process	4	Low	Harish, Adhavan
Sprint-2	Placement queries	USN-4	As a user, I can get the details of required documents for Placement queries	10	Medium	Ajithkumar, Barathraj
Sprint-2	College info	USN-5	As a user, I can get the details of required documents for college information queries	10	High	Adhavan, Barathraj

<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	General Query Action	USN-6	As a user, I can get resolved for the queries like Canteen, food menu, infrastructure etc.,	10	High	Harish, Ajithkumar
Sprint-4	Building HTML code	USN-9	As an admin, I make use of html to create the web page as a front-end for the application.	6	High	Harish
Sprint-4	Executing the application	USN-10	As an admin, I can integrate the chat bot with our web page. As an user, I can interact with the chatbot in the web page.	2	Medium	Ajithkumar, Barathraj

### 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	26 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	02 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	09 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	16 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)

$$\text{Average Velocity} = \text{Sprint duration} / \text{Velocity}$$

$$= 20 / 6 = 3.33$$

#### 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.

Burndown Chart

