

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 |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---------------|--------------------------------------|--------------------------|--|---------------------|-----------------|---------------------|
| 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 | Harish |

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

