

## Project Planning Phase

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

|               |                                  |
|---------------|----------------------------------|
| Date          | 18 October 2022                  |
| Team ID       | PNT2022TMID27251                 |
| Project Name  | Project - CUSTOMER CARE REGISTRY |
| 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 | User Panel                    | USN-1             | The user will login into the website and go through the services available on the web page.   | 2            | High     | Karan Sanjeev nair, Koushik.Z.R, Madhavan.S, Mohammed Saad |
| Sprint-2 | Admin panel                   | USN-2             | The role of the admin is to check out the database about the availability and have a track of all the things that the users are going to service. | 1            | High     | Karan Sanjeev nair, Koushik.Z.R, Madhavan.S, Mohammed Saad |
| Sprint-3 | Chat Bots                     | USN-3             | The user can directly talk to Chatbot regarding the services. Get the recommendations based on information provided by the user.                  | 2            | High     | Karan Sanjeev nair, Koushik.Z.R, Madhavan.S, Mohammed Saad |
| Sprint-4 | Final delivery                | USN-4             | Container of applications using docker kubernetes and deployment of the application. Create the documentation and final submit the application    | 2            | High     | Karan Sanjeev nair, Koushik.Z.R, Madhavan.S                |

### 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               |   |                              |
| 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               |   |                              |

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### 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 burndown 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.



