# PROJECT PLANNING PHASE

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| **DATE** | **07 NOVEMBER 2022** |
| **TEAM ID** | **PNT2022TMID51291** |
| **PROJECT NAME** | **INVENTORY MANAGEMENT SYSTEM FOR RETAILORS** |
| **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 | Registration | USN -1 | User can create an account by providing business mail id and password | 5 | High | 1,2,3,4 |
| Sprint-2 | Registration /Login | USN -2 | Two step authentication using one time password to provide mail id or phone number | 10 | High | 1,2,3,4 |
| Sprint-1 | Login | USN -3 | Using registered mail Id | 5 | High | 1,2,3,4 |
| Sprint-1 | Main dashboard | USN -4 | User need to complete account settings like giving the details about their inventory and their branches | 10 | High | 1,2,3,4 |
| Sprint-2 | Hub maintenance | USN -5 | User can able to create a separate account for individual hub and he can able to create access policy to share their account with their hub managers | 10 | High | 1,2,3,4 |
| Sprint-3 | Hub dashboard login | USN -6 | Hub mangers can able to login to the account to access their allotted hub details | 10 | High | 1,2,3,4 |
| Sprint-3 | Hub dashboard | USN -7 | Hub mangers can able to add product details and production details. They can also provide access to their allotted space to others. | 10 | High | 1,2,3,4 |
| Sprint-4 | Communication system | USN -8 | User and hub mangers can get the details of the stock moment via mail or chat bot . | 20 | Medium | 1,2,3,4 |

## 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 | 07 Nov 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 perday)**

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