

ProjectPlanningPhase

ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)

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| Date | 29 October 2022 |
| TeamID | PNT2022TMID46377 |
| ProjectName | Project-Skill/JobRecommenderApplication |
| MaximumMarks | 8Marks |

ProductBacklog,SprintSchedule,andEstimation(4Marks)

| Sprint | FunctionalRequirement(Epic) | UserStoryNumber | UserStory/Task | StoryPoints | Priority | TeamMembers |
|----------|-----------------------------|-----------------|--|-------------|----------|-------------------------|
| Sprint-1 | Registration | USN-1 | As a user,I can register for the application by entering my email,password,and confirming my password. | 5 | High | Team lead,Team member 1 |
| Sprint-3 | | USN-2 | As a user register instantly using Gmail | 4 | Low | Team member 2 |
| Sprint-1 | Login | USN-3 | As a user,I can login to the application by entering my email & password | 5 | High | Team member 3 |
| Sprint-1 | Dashboard | USN-4 | As a user I can access the dashboard there able to see jobs and filter the jobs using keywords. | 6 | High | Team lead,Team member 1 |
| Sprint-3 | | USN-5 | A dashboard which shows applied for jobs | 6 | Medium | Team lead,Team member 1 |
| Sprint-2 | | USN-6 | As a user I can see my profile | 4 | Medium | Team member 2 |
| Sprint-2 | | USN-7 | As a user I can update my profile | 4 | Medium | Team member 3 |
| Sprint-1 | Apply | USN-8 | As a user view and apply for the job successfully | 4 | Medium | Team member 1 |
| Sprint-3 | | USN-9 | track the status of the jobs through a dashboard or email services | 4 | Medium | Team Lead |
| Sprint-3 | Email | USN-10 | As a user get an email about new jobs | 6 | High | Team lead,Team member 1 |

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|----------|--------|--------|---|---|--------|--|
| Sprint-2 | | USN-11 | A user noticed after successfully applied job | 6 | Medium | Team member 2, team member 3 |
| Sprint-2 | Bot | USN-12 | A bot is embedded in the webpage it help to users instant matched skill jobs active | 6 | High | Team lead,Team member 1 |
| sprint-4 | deploy | USN-13 | Creating Docker image | 5 | Medium | Team lead,Team member 1,Team member 2,Team member 3 |
| Sprint-4 | | USN-14 | Making Uimore interactive | 5 | Low | Team lead,Team member 1 |
| sprint-4 | | USN-15 | upload image to IBM container Registry | 5 | Medium | Team lead,Team member 1,Team member 2, Team member 3 |
| sprint-4 | | USN-16 | Deploy on Kubernetes | 5 | Medium | Team lead,Team member 1,Team member 3 |

ProjectTracker,Velocity&BurndownChart:(4Marks)

| Sprint | TotalStoryP oints | Duration | SprintStartDate | SprintEndDate(P lanned) | Story PointsCompleted (as onPlannedEndDate) | SprintReleaseDate(A ctual) |
|----------|----------------------|----------|-----------------|----------------------------|--|-------------------------------|
| Sprint-1 | 20 | 6Days | 24Oct2022 | 29Oct2022 | 20 | 29Oct2022 |
| Sprint-2 | 20 | 6Days | 31Oct2022 | 05Nov2022 | | |
| Sprint-3 | 20 | 6Days | 07Nov2022 | 12Nov2022 | | |
| Sprint-4 | 20 | 6Days | 14Nov2022 | 19Nov2022 | | |
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Velocity:

Imagine we have a 6-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)

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

| Sprint | Average Velocity |
|----------|------------------|
| Sprint-1 | 6.6 |
| Sprint-2 | 8 |
| Sprint-3 | 7.5 |
| Sprint-4 | 8 |

Total Average Velocity=7.5

Burn down 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.

