**Project Planning Phase**

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

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| --- | --- |
| **Date** | 22 October 2022 |
| **Team** **ID** | PNT2022TMID32090 |
| **Project Name** | Skill and Job Recommender Application |
| **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 interface | USN-1 | As a user I can experience a good feel of the presentation | 7 | High | Manojkumar. E |
| Sprint-1 | Home | USN-2 | As a user, it will be the first page of the website | 3 | medium | Mythreyan. S |
| Sprint-1 | Database | USN-3 | As a user my data will be stored in database for further use | 4 | High | Bharathkumar. S |
| Sprint-1 | Registration | USN-4 | As a user, I can register for the application as a Job seeker or Recruiter. | 2 | low | Sanjay. M |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application as Jobseeker or Recruiter by entering registered username & correct password | 2 | low | Manojkumar. E |

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-2 | Profile Setup | USN-6 | As a fresh user I need to setup the profile | 5 | High | Manojkumar. E |
| Sprint-2 |  | USN-7 | As a fresh recruiter I need to setup profile for my company by filling required details | 5 | High | Mythreyan. S |
| Sprint-2 | Cloud Storage | USN-8 | As a user I can upload my Image, Resume and much more in the website | 8 | Medium | Sanjay. M |
| Sprint-2 | Posting the jobs | USN-9 | As a Recruiter I can post various job openings | 2 | High | Bharathkumar. S |
| Sprint-3 | Job Listing | USN-10 | As a user I can access jobs posted by recruiters and Google Job Search API | 5 | High | Sanjay. M, Bharathkumar. S |
| Sprint-3 | Applying | USN-11 | As a Job Seeker I can view all Job openings in the home page and also, I can search for specific jobs and apply for the same | 2 | High | Manojkumar. E |
| Sprint-3 | Chatbot | USN-13 | As a User I can access chatbot to avail any kind of guidance in the website | 8 | High | Mythreyan. S |
| Sprint-3 | Notification (SendGrid) | USN-14 | As a User, I can get notification on new Job openings via email using SendGrid service | 5 | Medium | Mythreyan. S |
| Sprint-4 | System testing | USN-15 | As a user I can access my website without any fault or malfunction | 5 | Medium | Sanjay. M |
| Sprint-4 | Docker | USN-16 | As a user I can access my containerized application in any device | 5 | High | Bharathkumar. S |
| Sprint-4 | Kubernetes | USN-17 | As a user I can access my containerized application in any device with greater security | 5 | High | Manojkumar. E |
| Sprint-4 | Deployment in the  Cloud | USN- 18 | As a user I can access the website from anywhere in the world | 5 | High | Mythreyan. 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 | 18 | 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 per day)



Average Velocity for Sprint 1=>20/6=3.3

Average Velocity for Sprint 2 => 20/6=3.3

Average Velocity for Sprint 3 => 20/6=3.3

Average Velocity for Sprint 4 => 20/6=3.3

**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.

Total Story Points: 80

Project Start Date: 24th October 2022

Project End Date: 19th November 2022

Sprint 1 burndown chart:



