

## Project Planning Phase

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

Date	16 November 2022
Team ID	PNT2022TMID47412
Project Name	Project – Skill and Job Recommender
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	UI Design & Frontend Development	USN-1	As a user I can expect to experience a cool user interface and smooth user experience	8	High	Arun Kumar K
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	Kaviyarasan R
Sprint-1	Database	USN-3	As a user my data will be stored in database for further use	5	High	Sanjay Kumar V
Sprint-1	Registration	USN-4	As a user, I can register for the application as a Job seeker or Recruiter.	2	High	Nitheshwaran T
Sprint-2		USN-5	As a user, I will receive verification email once I have registered for the application	2	Medium	Kaviyarasan R
Sprint-3		USN-6	As a user, I can register for the application through Google Signup	3	Low	Sanjay Kumar V
Sprint-3		USN-7	As a user, I can register for the application through Sign in with LinkedIn	3	Low	Arun Kumar K
Sprint-1	Login	USN-8	As a user, I can log into the application as Jobseeker or Recruiter by entering registered email & correct password	2	High	Nitheshwaran T
Sprint-3		USN-9	As a user, I can log into the application using google sign in option	3	Low	Arun Kumar K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	UI Design & Frontend Development	USN-1	As a user I can expect to experience a cool user interface and smooth user experience	8	High	Nitheshwaran T
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	Sanjay Kumar V
Sprint-1	Database	USN-3	As a user my data will be stored in database for further use	5	High	Arun Kumar K
Sprint-3		USN-10	As a user, I can log into the application using LinkedIn Login	3	Low	Arun Kumar K
Sprint-2	Profile Setup	USN-11	As a fresh user I need to setup my profile initially by filling required details which can be modified later	3	High	Kaviyarasan R
Sprint-2		USN-12	As a fresh recruiter I need to setup profile for my company by filling required details which can be modified later	3	High	Kaviyarasan R
Sprint-2	Cloud Storage	USN-13	As a user I can upload my Image, Resume and much more in the website	3	Medium	Nitheshwaran T
Sprint-2	Posting	USN-14	As a Recruiter I can post various job openings	5	High	Kaviyarasan R
Sprint-2	Job Listing	USN-15	As a user I can access jobs posted by recruiters and Google Job Search API	5	High	Sanjay Kumar V
Sprint-2	Applying	USN-16	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	3	High	Nitheshwaran T
Sprint-2	Shortlisting	USN-17	As a Recruiter I can view applied candidates and shortlist few among them.	3	High	Arun Kumar K ,Nitheshwaran T
Sprint-3	Chatbot	USN-18	As a User I can access chatbot to avail any kind of guidance in the website	5	High	Sanjay Kumar V, Kaviyarasan R
Sprint-3	Notification (SendGrid)	USN-19	As a User, I can get notification on new Job openings via email using SendGrid service	3	Medium	Arun Kumar K
Sprint-3	Courses & Webinars	USN-20	As an administrator I can suggest users various courses from famous websites like Udemy, Coursera based on their skillset to improve their skills	3	Low	Kaviyarasan R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	UI Design & Frontend Development	USN-1	As a user I can expect to experience a cool user interface and smooth user experience	8	High	Arun Kumar K
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	Nitheshwaran T
Sprint-1	Database	USN-3	As a user my data will be stored in database for further use	5	High	Arun Kumar K,
Sprint-3	Interviews	USN-21	As a recruiter I can schedule face to face Interview with shortlisted candidates using WebRTC framework	3	Low	Sanjay Kumar V, Nitheshwaran T
Sprint-3		USN-22	As a shortlisted candidate I can join the scheduled interview using the meeting link	3	Low	Arun Kumar K, Sanjay Kumar v
Sprint-4	System testing	USN-23	As a user I can access my website without any fault or malfunction	5	Medium	Nitheshwaran T
Sprint-4	Docker	USN-24	As a user I can access my containerized application in any device	3	High	Kaviyarasan R, Sanjay Kumar V
Sprint-4	Kubernetes	USN-25	As a user I can access my containerized application in any device with greater security	5	High	Sanjay Kumar V, Arun kumar K
Sprint-4	Deployment in the Cloud	USN-26	As a user I can access the website from anywhere in the world	3	High	Nitheshwaran T, Kaviyarasan R

### 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	26 Oct 2022	31 Oct 2022	20	18 Oct 2022
Sprint-2	25	6 Days	02 Nov 2022	07 Nov 2022	25	18 Nov 2022
Sprint-3	30	6 Days	08 Nov 2022	13 Nov 2022	30	18 Nov 2022
Sprint-4	15	6 Days	14 Nov 2022	19 Nov 2022	15	18 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)

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

Average Velocity for Sprint 1 =>  $20/6 = 3.33$  => **3 Story points per**

**day** Average Velocity for Sprint 2 =>  $25/6 = 4.16$  => **4 Story points**

**per day** Average Velocity for Sprint 3 =>  $30/6 = 5$  => **5 Story points**

**per day** Average Velocity for Sprint 4 =>  $15/6 = 2.5$  => **2 Story points**

**per day**

## 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: 90

Project Start Date: 26<sup>th</sup> October 2022

Project End Date: 19<sup>th</sup> November 2022

