

## Project Planning Phase

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

Date	27 October 2023
Team ID	Team-592835
Project Name	Restaurant Recommendation System
Maximum Marks	20 Marks

### Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number User Story / Task	Story Points	Priority	Team Members
Sprint-1	Project setup & Infrastructure	USN-1 Set up the development environment with the required tools and frameworks to start the restaurant recommendation project.	1	High	Sneha
Sprint-1	Data Collection	USN-2 Gather a diverse dataset of different restaurants across Bangalore	1	High	Sneha
Sprint-2	Data preprocessing	USN-3 Preprocess the collected dataset to remove the duplicate entries and to clean the text	2	High	Aakanksha
Sprint-2	Data visualization	USN-4 Visualize the dataset to find out the best features for model building and development.	2	High	Sneha
Sprint-3	Model building	USN-5 Explore and evaluate different recommendation models such as content-based filtering, collaborative filtering	3	High	Dhruv
Sprint-3	Training	USN-6 Train the selected model to make personalized recommendations	4	High	Dhruv

Sprint-4	Web Integration	USN-7 A user-friendly web interface is built for users to interact with and get personalized restaurant recommendations	5	medium	Aakanksha
Sprint-5	Model Deployment	USN-8 The trained model is deployed as an API or web service to make it accessible for users to get their restaurant recommendations	2	medium	Sneha

#### 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	2	2 Days 18 Oct 2023 19 Oct 2023	18	9 Nov 2023
Sprint-2	4	2 Days 20 Oct 2023 22 Oct 2023		
Sprint-3	7	7 Days 23 Oct 2023 30 Oct 2023		
Sprint-4	5	5 Days 31 Oct 2023 4 Nov 2023		
Sprint-5	2	3 Days 5 Nov 2023 8 Nov 2023		

#### Velocity:

Imagine we have a 22-days 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)

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

$$AV = 22/20 = 1.1$$



# Timeline

Jira Software

Your work

Projects

Filters

Dashboards

Teams

Apps

Create

Q Search

Restaurant Recommend...

Software project

You're on the Free plan

UPGRADE

PLANNING

Timeline

Board

Add view

DEVELOPMENT

Code

Documents

Add shortcut

Project settings

You're in a team-managed project

Learn more

Projects / Restaurant Recommendation

Timeline

Q Search

Status category

Epic

	SEP	OCT	NOV	DEC
RR-1 Data Preprocessing	DONE			
RR-2 Data Visualization				
RR-3 Model Building				
RR-4 Flask API Creation				
RR-5 Frontend HTML				
+ Create Epic				

>

Today

Weeks