

Project Planning Phase
Project Planning Phase (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID41196
Project Name	A Novel Method for Handwritten Digit Recognition System
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

JIRA SOFTWARE ROADMAP OF OUR PROJECT

<https://pnt2022tmid41196.atlassian.net/jira/software/projects/NOV/boards/2/roadmap?shared=&atlassian-login-source=1>

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration (NOV-6)	NOV-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	M Munivel
Sprint-1		NOV -2	As a user, I will receive confirmation email once I have registered for the application	1	High	G Gokul surya
Sprint-2		NOV -3	As a user, I can register for the application through Facebook	2	Low	G Gokul surya

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1		NOV -4	As a user, I can register for the application through Gmail	2	Medium	G Preethi
Sprint-1	Login (NOV-7)	NOV -5	As a user, I can log into the application by entering email & password	1	High	G Sripriya
Sprint-2	Dashboard (NOV-8)	NOV-9	See a list of all member's and visitors	1	Low	M Munivel
Sprint-2		NOV-10	Add new security groups	1	High	G Gokul surya
Sprint-2		NOV-11	Change my password	1	High	G Preethi
Sprint-3		NOV-12	Update my contact details	2	High	G Sripriya
Sprint-3		NOV-13	Update my email preferences	2	High	M Munivel
Sprint-3		NOV-19	Add comments	1	Low	G Gokul surya
Sprint-3		NOV-17	Suggest improvements	1	Low	G Preethi
Sprint-4		NOV-16	Contact the administrators	1	Low	G Sripriya
Sprint-4		NOV-15	View a member's profile	1	Low	M Munivel
Sprint-4		NOV-14	Fetch image from camera and from gallery	2	High	G Preethi
Sprint-4		NOV-18	Auto-refresh feature	1	Low	G Sripriya

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	6	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	6	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	5	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)

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

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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>