

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

<b>Project Name</b>	<b>News Tracker Application</b>
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**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-1	Registration	As a user, I can register for the application by entering my email, password, and confirming my password.	15	High	Mallapparaju, Ganeshkumar, Kaliraj, Mareeswaran
Sprint-1	Confirmation	As a user, I will receive confirmation email once I have registered for the application	5	Medium	Mallapparaju, Ganeshkumar, Kaliraj, Mareeswaran
Sprint-2	Login	As a user, I can log into the application by entering email & password	10	High	Mallapparaju, Ganeshkumar, Kaliraj, Mareeswaran
Sprint-2	Dashboard	As a user, I can search NEWS and a quick snap is displayed in the dashboard.	10	High	Mallapparaju, Ganeshkumar, Kaliraj, Mareeswaran

Sprint	Functional Requirement (Epic)	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Chatbot	As a user, I can chat with the bot so that my queries are clarified	10	High	Mallapparaju, Ganeshkumar, Kaliraj, Mareeswaran
Sprint-3	Profile	As a user, I can edit my interests so that I can get news accordingly	10	High	Mallapparaju, Ganeshkumar, Kaliraj, Mareeswaran
Sprint-4	Notifications	As a user, I will receive notifications to my email so that I'll be updated on the news	20	Medium	Mallapparaju, Ganeshkumar, Kaliraj, Mareeswaran

**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	8 Days	23 Oct 2022	30 Oct 2022	20	30 Oct 2022
Sprint-2	20	8 Days	31 Oct 2022	07 Nov 2022		
Sprint-3	20	8 Days	08 Nov 2022	15 Nov 2022		
Sprint-4	20	8 Days	16 Nov 2022	24 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)

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

**Average Velocity=20/6**

**AV=3.333**

**Burndown Chart:**

A burndown 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.