

Project Planning Phase

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

Date	16 November 2023
Team ID	Team-591345
Project Name	Ecommerce Shipping Prediction Using Machine Learning
Maximum Marks	8 Marks
Team Members	1) Akshat Gattani 2) Raghvendra Varun

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 1	Ideation	USN - 1	Getting an idea about the project and building an empathy map canvas.	2	Medium	Akshat & Varun
Sprint - 1	Brainstorming	USN - 2	Pitching different ideas for the project.	1	High	Akshat & Varun
Sprint - 2	Project design	USN - 3	Determining the requirements and choosing the most accurate proposed solution.	3	High	Akshat & Varun
Sprint - 3	Project Planning	USN - 4	Building a blueprint for the project, assigning deadlines and updating project status.	2	Medium	Akshat & Varun
Sprint - 4	Data Collection & Preprocessing	USN - 5	Collecting data about factors affecting the current shipping situations.	2	High	Varun
Sprint - 4	Data Cleaning	USN - 5	Examine and clean the collected data.	1	High	Varun
Sprint - 4	Determining model	USN - 6	Choosing the accurate machine learning model - CNN.	3	High	Akshat
Sprint - 4	Model Development	USN - 7	Training the CNN model.	4	High	Akshat
Sprint - 4	Model Evaluation	USN - 8	Evaluating model performance.	2	Medium	Varun
Sprint - 5	User Interface	USN - 9	Developing the frontend and integrating the model.	4	High	Akshat & Varun

Sprint - 6	Deployment	USN - 10	Deploying and testing the complete system.	4	High	Akshat & Varun
Sprint - 7	Documentation	USN - 11	Creating a project report.	3	High	Akshat & Varun

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	10	2 Days	8 Nov 2023	9 Nov 2023	10	9 Nov 2023
Sprint - 2	20	4 Days	10 Nov 2023	13 Nov 2023	16	14 Nov 2023
Sprint - 3	20	3 Days	14 Nov 2023	16 Nov 2023	10	20 Nov 2023
Sprint - 4	20	2 Days	16 Nov 2023	17 Nov 2023	20	17 Nov 2023
Sprint - 5	10	2 Days	18 Nov 2023	19 Nov 2023	6	20 Nov 2023
Sprint - 6	10	2 Days	20 Nov 2023	21 Nov 2023	8	21 Nov 2023
Sprint - 7	10	1 Day	22 Nov 2023	22 Nov 2023`	10	22 Nov 2023

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Ideation Phase

Project Design Phase

Project Planning Phase

Project Development Phase

+ Create epic

Board (11 issues)

3 2 6

ESE-5 Empathy Canvas Map	IDEATION PH...	DONE	
ESE-6 BrainStorming Map	IDEATION PH...	DONE	
ESE-7 Proposed Solution	PROJECT DE...	DONE	
ESE-8 Solution Architecture	PROJECT DE...	DONE	
ESE-9 Data Flow Diagram (Determining the requirements)	PROJECT DE...	DONE	
ESE-10 Updating the project status	PROJECT DE...	DONE	
ESE-11 Technology Stack	PROJECT PL...	IN PROGRESS...	
ESE-12 Project Planning Details	PROJECT PL...	IN PROGRESS...	
ESE-13 Building the machine learning model	PROJECT DE...	TO DO	
ESE-14 Frontend Development	PROJECT DE...	TO DO	
ESE-15 Updating the project status	PROJECT DE...	TO DO	

+ Create issue



11 issues

Backlog (0 issues)



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TO DO 3	IN PROGRESS 2	DONE 6
<div>Building the machine learning model PROJECT DEVELOPMENT PHASE ESE-13</div>	<div>Technology Stack PROJECT PLANNING PHASE ESE-11</div>	<div>Empathy Canvas Map IDEATION PHASE ESE-5</div>
<div>Frontend Development PROJECT DEVELOPMENT PHASE ESE-14</div>	<div>Project Planning Details PROJECT PLANNING PHASE ESE-12</div>	<div>BrainStorming Map IDEATION PHASE ESE-6</div>
<div>Updating the project status PROJECT DEVELOPMENT PHASE ESE-15</div>		<div>Proposed Solution PROJECT DESIGN PHASE ESE-7</div>
<div>+ Create issue</div>		<div>Solution Architecture PROJECT DESIGN PHASE ESE-8</div>
		<div>Data Flow Diagram (Determining the requirements) PROJECT DESIGN PHASE</div>

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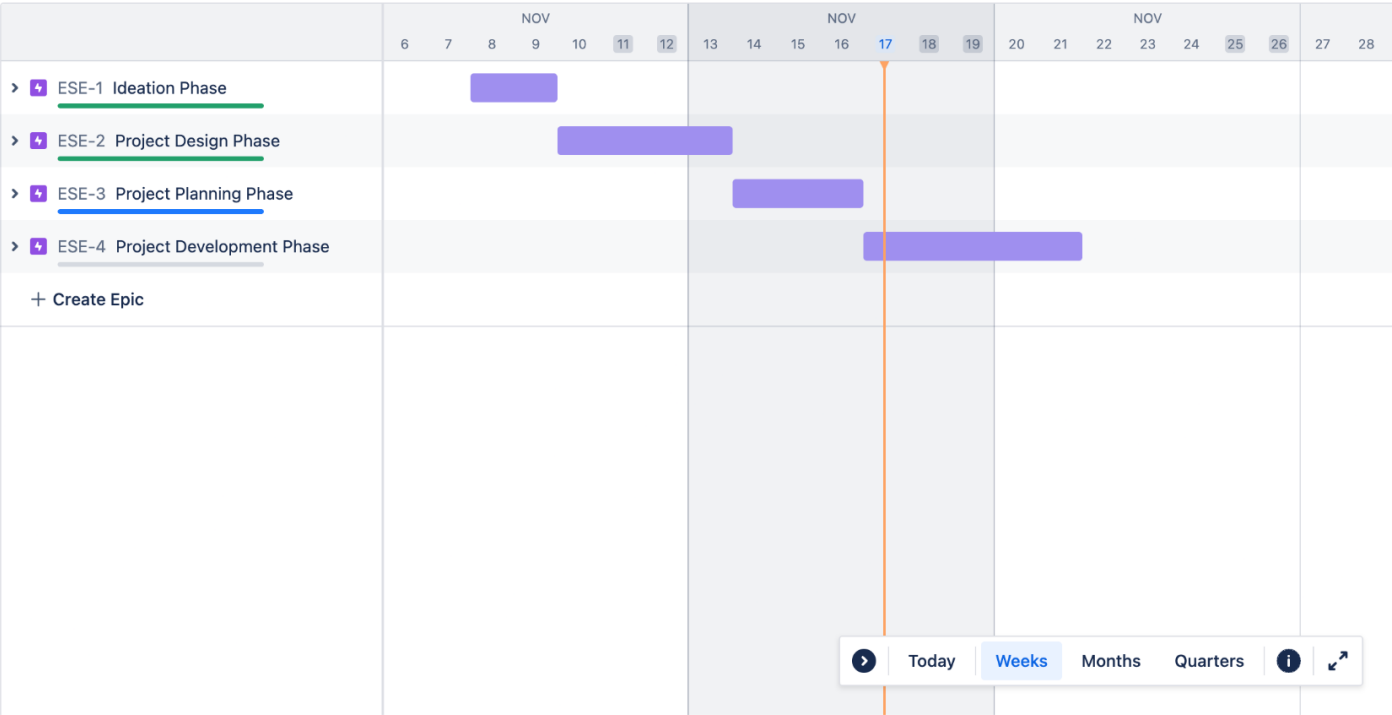
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Status category ▾

Epic ▾





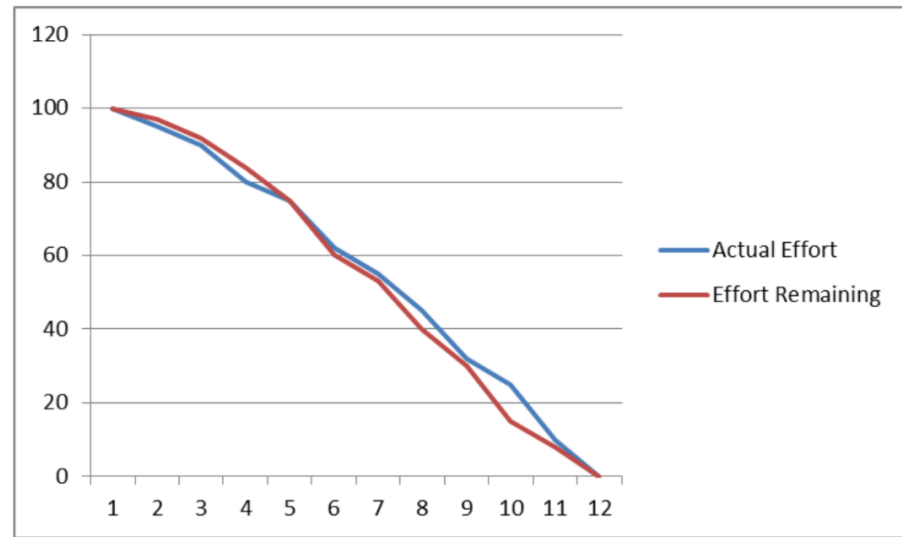
Velocity:

Average Team Velocity = Sprint Duration / Velocity = 80/100 = 0.8

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.

Sprint 1&2	Actual Effort	Effort Remaining
Day 1	100	100
Day 2	95	97
Day 3	90	92
Day 4	80	84
Day 5	75	75
Day 6	62	60
Day 7	55	53
Day 8	45	40
Day 9	32	30
Day 10	25	15
Day 11	10	8
Day 12	0	0



<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>

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