

Project Planning Phase

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

Date	02 November 2023
Team ID	592709
Project Name	Wholesale Customer Segmentation Analysis Using ML
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	Project setup & Infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the Wholesale Customer Segmentation Analysis	2	High	Shreeya
Sprint-1	Data collection	USN-2	Gather a diverse dataset based on the Wholesale Customer spending behaviours.	2	Medium	Shreeya
Sprint-2	Data Preprocessing	USN-3	Preprocess the collected dataset by finding the missing values, normalizing the dataset, and data visualization and split it into training and validation sets.	5	High	Devi
Sprint-3	Model development	USN-4	Explore and evaluate different machine learning models(e.g., clustering) to segment the wholesale customers.	5	High	Krishna Priya
Sprint-4	Training	USN-5	Train the selected machine learning model using the preprocessed dataset.	3	High	Akhil
Sprint-4	Model Evaluation	USN-6	Evaluate the machine learning models performance on the validation dataset.	2	Medium	Akhil

Project Tracker, Velocity & Burndown Chart: (4 Marks)

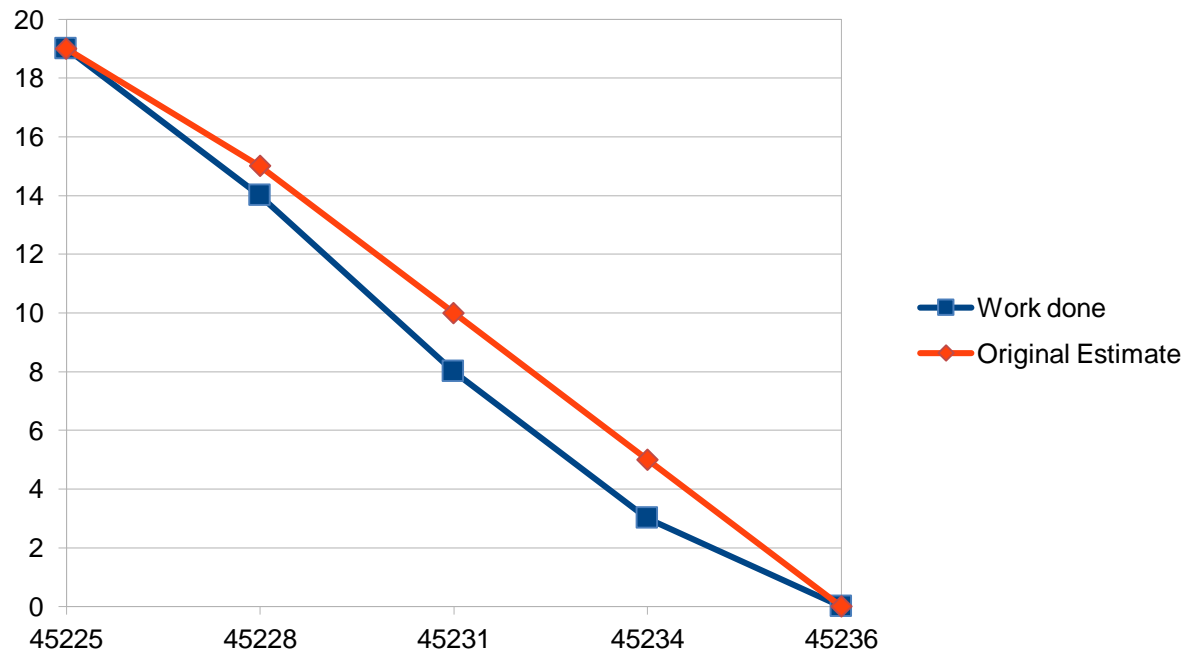
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	4	3 Days	26 Oct 2023	28 Oct 2023	4	29 Oct 2023
Sprint-2	5	3 Days	29 Oct 2023	31 Oct 2023	5	01 Nov 2023
Sprint-3	5	3 Days	01 Nov 2023	03 Nov 2023	5	04 Nov 2023
Sprint-4	5	2 Days	04 Nov 2023	05 Nov 2023	5	06 Nov 2023

Velocity:

Average Velocity = Sprint duration/ Velocity = 19/11 = 1.72

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.



Board Section

Jira Software

Your work ▾

Projects ▾

Filters ▾

Dashboards ▾

Teams ▾

Apps ▾

Create

Search

?

My Scrum Project

Software project

You're on the Free plan

UPGRADE

PLANNING

Timeline

Backlog

Board

+ Add view

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

You're in a team-managed project

Learn more

Projects / My Scrum Project

All sprints

Sprint ▾

GROUP BY

None ▾

Import work

Insights

View settings

TO DO 2

Training

SCRUM-12

Model Evaluation

SCRUM-13

IN PROGRESS 1

Model Development

SCRUM-10

DONE 3 ✓

Project Setup & Infrastructure

SCRUM-17 ✓

Data Collection

SCRUM-18 ✓

Data Preprocessing

SCRUM-20 ✓

Complete sprint

tion

B
a
c
k
l
o
g

S
e
c

Quickstart

My Scrum Project

Software project

You're on the Free plan

UPGRADE

PLANNING

Timeline

Backlog

Board

Add view

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

You're in a team-managed project

Learn more

Projects / My Scrum Project

Backlog

Epic

Import work

Insights

View settings

Epic

Issues without epic

Project Setup & Infrastructure

Projects / My Scrum Project

Backlog

Epic

Import work

Insights

View settings

Epic

Issues without epic

Project Setup & Infrastructure

Data Collection

Data Preprocessing

Model Development

Training

Model Evaluation

Create epic

+ Create issue

Sprint 3 1 Nov – 3 Nov (1 issue)

Explore and evaluate different machine learning models (e.g., clustering) to segment the wholesale customers.

SCRUM-10 Model Development

IN PROGRESS

+ Create issue

+ Create issue

Sprint 4 4 Nov – 5 Nov (2 issues)

Train the selected machine learning model on the preprocessed dataset.

SCRUM-12 Training

TO DO

SCRUM-13 Model Evaluation

TO DO

+ Create issue

Quickstart

Timeline Section

My Scrum Project
Software project

You're on the Free plan

UPGRADE

PLANNING

Timeline

Backlog

Board

+ Add view

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

You're in a team-managed project

Learn more

Projects / My Scrum Project

Timeline

Give feedback

Share

Export

...

Status category ▾

Epic ▾

	OCT	NOV					NOV					NOV											
	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Sprints	Sprint 1				Sprint 2				Sprint 3				Sprint 4										
SCRUM-2 Project Setup & Infrastructure																							
SCRUM-3 Data Collection																							
SCRUM-4 Data Preprocessing																							
SCRUM-5 Model Development																							
SCRUM-6 Training																							
SCRUM-11 Model Evaluation																							
+ Create Epic																							

Today

Weeks

Months

Quarters

Quickstart