

Project Planning Phase

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

Date	24 October 2022
Team ID	PNT2022TMID21805
Project Name	Crude Oil Price Prediction
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

S.No	Milestone	Activities	Team Members
1.	Data Collection	Create Train and Test Folders	Challa Dhanalakshmi Rahul K
2.	Data Pre-processing	Import the libraries, Handle the missing data,	Challa Dhanalakshmi Rajesh S
3.		Feature scaling, Data Visualization, Splitting the data into test, train, and split.	Challa Dhanalakshmi Raj Suriyan G
4.	Model Building	Import the required model building libraries	Raj Suriyan G Rahul K
5.	Model Building	Initialize the model	Challa Dhanalakshmi Rahul K
6.	Model Building	Add the LSTM Layers	Challa Dhanalakshmi Rajesh S Raj Suriyan G
7.	Model Building	Add the output layers	Rahul K Raj Suriyan G
8.	Model Building	Configure the learning process	Challa Dhanalakshmi Rajesh S
9.	Model Building	Train the model	Raj Suriyan G
10.	Model Building	Model evaluation	Raj Suriyan G Challa Dhanalakshmi
11.	Model Building	Fit and save the model	Raj Suriyan G
12	Test the Model	Import the packages and load the saved models	Raj Suriyan G Challa Dhanalakshmi Rahul K

			Rajesh S
13.R		Load the test image, pre-process it, and predict	Raj Suriyan G Rajesh S
14.	Application Building	Build a flask application	Raj Suriyan G Challa Dhanalakshmi Rajesh S Rahul K
15.		Build the HTML page	Challa Dhanalakshmi Rajesh S
16.		Output	Raj Suriyan G Rahul K
17.	Train The Model on IBM	Register for IBM Cloud	Raj Suriyan G Rajesh S Rahul K Challa Dhanalakshmi
18.		Train Image Classification Model	Raj Suriyan G Challa Dhanalakshmi Rajesh S
19.	Ideation Phase	Prepare Empathy map	Raj Suriyan G
20.		Literature Survey on the selected project & Information Gathering	Challa Dhanalakshmi Rahul K
21.		Ideation	Rahul K Challa Dhanalakshmi Raj Suriyan G Rajesh S
22.	Project Design Phase I	Proposed Solution	Challa Dhanalakshmi
23.		Proposed Solution Fit	Raj Suriyan G Rajesh S
24.		Solution Architecture	Rahul K
25.	Project Design Phase II	Customer Journey	Rahul K Rajesh S
26.		Functional Requirements	Challa Dhanalakshmi Rahul K

27.		Data Flow Diagram	Raj Suriyan G Rajesh S
28.		Technology Architecture	Raj Suriyan G Challa Dhanalakshmi
29.	Project Planning Phase	Prepare Milestone & Activity List	Raj Suriyan G Challa Dhanalakshmi Rahul K Rajesh S
30.	Project Development Phase	Delivery of Sprint 1	Challa Dhanalakshmi Rahul K Rajesh S
31.		Delivery of Sprint 2	Raj Suriyan G Challa Dhanalakshmi Rahul K
32.		Delivery of Sprint 3	Raj Suriyan G Challa Dhanalakshmi Rahul K Rajesh S
33.		Delivery of Sprint 4	Raj Suriyan G Challa Dhanalakshmi Rahul K Rajesh S

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.

