

Initial Project Planning Template

Date	8 July 2024
Team ID	SWTID1720096271
Project Name	Machine learning approach for Predicting the price of natural gas
Maximum Marks	4 Marks

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

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
NG Sprint1	Defining Problem	SCRUM-2	Create Problem Statement to understand Customers point of view.	2	High	Pranathi	08/07/24	08/07/24
NG Sprint1	Defining Problem	SCRUM-3	Outlines a Solution to Address the Problem.	1	Medium	Vyshnavi	08/07/24	08/07/24
NG Sprint1	Data Collection and Preprocessing	SCRUM-5	Collect Dataset from any Platform and find out quality of Dataset.	2	High	Keerthana	08/07/24	09/07/24
NG Sprint1	Data Collection and Preprocessing	SCRUM-6	Load Dataset and Handling Missing Values	2	Medium	Nikhil	08/07/24	09/07/24
NG Sprint1	Data Collection and Preprocessing	SCRUM-7	Time Based Features and Lagged Features	1	Medium	Vyshnavi	08/07/24	09/07/24

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
NG Sprint2	Studying Data	SCRUM-9	Descriptive Statistics	1	Low	Pranathi	09/07/24	10/07/24
NG Sprint2	Studying Data	SCRUM-10	Data Visualization	2	Medium	Keerthana	09/07/24	10/07/24
NG Sprint3	Model Building	SCRUM-12	Splitting Data and Training Model with Multiple Algorithms	2	High	Vyshnavi	10/07/24	11/07/24
NG Sprint3	Model Building	SCRUM-13	Evaluation of Model Performance using Evaluation Metrics	3	High	Pranathi	10/07/24	11/07/24
NG Sprint3	Model Building	SCRUM-14	Hyperparameter Tuning	1	Low	Nikhil	10/07/24	11/07/24
NG Sprint3	Model Building	SCRUM-15	Model Testing using r2 score, accuracy score etc.	2	High	Keerthana	10/07/24	11/07/24
NG Sprint4	Application Building	SCRUM-17	Building HTML pages	2	Medium	Vyshnavi	11/07/24	11/07/24
NG Sprint4	Application Building	SCRUM-18	Integration of Model with Web Frame work	3	Medium	Pranathi	11/07/24	11/07/24

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
NG Sprint5	Final Reports	SCRUM-20	Project Report	2	High	Nikhil	12/07/24	12/07/24
NG Sprint5	Final Reports	SCRUM-21	Project Demo	3	High	Keerthana	12/07/24	12/07/24