

## Project Planning Phase

### Project Planning Template(Product Backlog, Sprint Planning,Stories, Storypoints)

Date	25October2022
TeamID	PNT2022TMID54315
ProjectName	CrudeOilPricePrediction
MaximumMarks	8 Marks

#### ProductBacklog,SprintSchedule,andEstimation(4Marks)

Sprint	Functional Requirement(Epic)	User Story Number	UserStory/Task	StoryPoints	Priority	TeamMembers
Sprint-1	DataCollection	USN-1	Collecting theDataset	10	High	C.Ashish Hameed P.T.Esther Rani G.S.Harish Vijay M.V.Monisha Valli
Sprint-2	Data Pre-processing	USN-2	DataPre-processing	7	Medium	C.Ashish Hameed P.T.Esther Rani G.S.Harish Vijay M.V.Monisha Valli
Sprint-3	ModelBuilding	USN-3	Prepare the model by importing the necessary libraries, adding the layers, and compiling it.	10	High	C.Ashish Hameed P.T.Esther Rani G.S.Harish Vijay M.V.Monisha Valli
Sprint-3	Model Building	USN-4	The data classification model is trained using RNNs and other systems.	7	Medium	C.Ashish Hameed P.T.Esther Rani G.S.Harish Vijay M.V.Monisha Valli

Sprint-4	Application Building	USN-5	Deploy the model in the IBM cloud and build the system	10	High	C.Ashish Hameed P.T.Esther Rani G.S.Harish Vijay M.V.Monisha Valli
Sprint-4	Training and testing	USN-6	Testing the model's performance and training it	7	Medium	C.Ashish Hameed P.T.Esther Rani G.S.Harish Vijay M.V.Monisha Valli

**ProjectTracker,Velocity& BurndownChart:(4Marks)**

<b>Sprint</b>	<b>TotalStory Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>SprintEndDate (Planned)</b>	<b>Story Points Completed (as on PlannedEndDate)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	10	6 Days	24 Oct2022	29 Oct2022	8	29Oct2022
Sprint-2	10	6 Days	31 Oct2022	05 Nov 2022	7	05Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	8	12Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	7	19Nov 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 iterationunit (storypoints perday)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}}$$

$$AV = 6/10 = 0.6$$

### BurndownChart:

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, burndown charts can be applied to any project containing measurable progress over time

