Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID40505
Project Name	A Novel Method for Handwritten Digit Recognition System
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	Data Collection	USN-1	As a user,I can collect the dataset from kaggle.	5	High	Sandhiya.T
Sprint-1	Data Preprocessing	USN-2	As a user,I can load the data set,handling the missing data, scaling and split data into train and test.	5	High	Mythily.R
Sprint-2	Model Building	USN-3	As a user,I can initialize the model,adding the LSTM layer and output layer,train,evaluate,save and test the model.	10	High	Swetha.P

Sprint-3	Application Building	USN-4	As a user,I create a HTML file,bulid a python code and run the app and showcasting the prediction.	10	High	Vijayalakshmi.P
Sprint-4	Train the model on IBM	USN-5	As a user,I train the model on IBM and integrate flask with scoring end point.	10	Medium	Sandhiya.T

Sprint Delivery Plan

Date	21 October 2022
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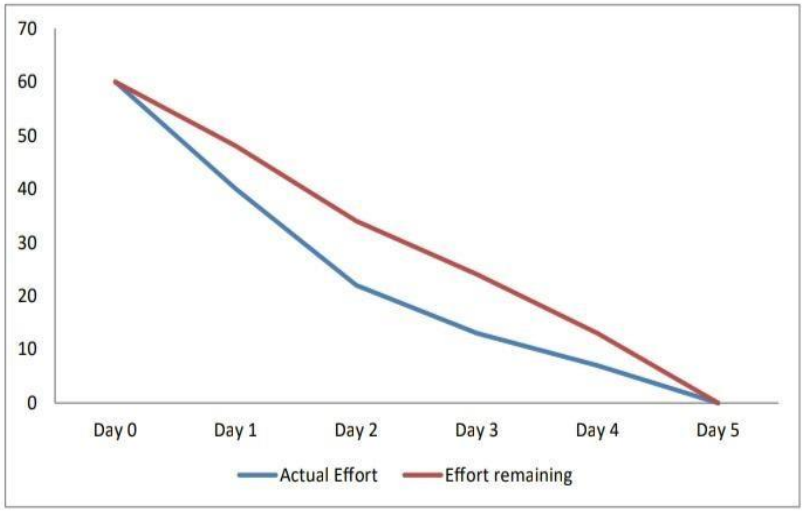
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	5 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	5 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	5 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	5 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity: Imagine we have a 5-day sprint duration, and the velocity of the team is 10 (points per sprint). Let's calculate the team's averagevelocity (AV) per iteration unit (story points per day)

AV=Sprint Duration/Velocity=10/5=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.


70
60
50
40
30
20
10
0
Day 0
Day 1
Day 2
Day 3
Day 4
Day 5
Actual Effort
Effort remaining