Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID06900
Project Name	Project – A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	MONICA M MOHAMMED ASHIK S MEGA D SREE RAM H
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password	1	High	MONICA M MOHAMMED ASHIK S MEGA D SREE RAM H
Sprint-2	Upload Image of digital document	USN-3	As a user, I can able to input the images of digital documents to the application	2	Medium	MONICA M MOHAMMED ASHIK S MEGA D SREE RAM H
Sprint-3	Upload Image of Handwritten document	USN-4	As a user, I can able to input the images of the handwritten documents or images to the application	2	High	MONICA M MOHAMMED ASHIK S MEGA D SREE RAM H
Sprint-4	Recognize digit	USN-5	As a user I can able to get the recognised digit as output from the images of digital documents or images	1	Medium	MONICA M MOHAMMED ASHIK S MEGA D SREE RAM H

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Recognize digit	USN-6	As a user I can able to get the recognised digit as output from the images of handwritten documents or images	2	High	MONICA M MOHAMMED ASHIK S MEGA D SREE RAM H

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	20	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 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 iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

AV1=sprint duration/velocity=10/6=1.67

AV2=sprint duration/velocity=12/6=2

AV3=sprint duration/velocity=14/6=2.3

AV4=sprint duration/velocity=10/6=1.67

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.

SPRINT 1

TASK	HOURS	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	TOTAL
USN 1	10	2	2	2	2	2	1	10
USN 2	10	2	2	2	2	2	1	10

SPRINT 2

TASK	HOURS	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	TOTAL
USN 3	15	3	3	3	3	2	1	15

SPRINT 3

TASK	HOURS	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	TOTAL
USN 4	25	5	5	3	4	5	3	25

SPRINT 4

TASK	HOURS	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6	TOTAL
USN 5	20	4	4	4	4	2	2	20
USN 6	20	4	4	4	2	4	2	20

ACTUAL AND REMAINING EFFORTS:

SPRINT 1

EFFORT	HOURS	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
ACTUAL EFFORT	20	4	6	3	5	2	0
ESTIMATED EFFORT	20	5	5	5	5	5	0

SPRINT 2

EFFORT	HOURS	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
ACTUAL EFFORT	15	4	2	5	2	2	0
ESTIMATED EFFORT	15	3	3	3	3	3	0

SPRINT 3

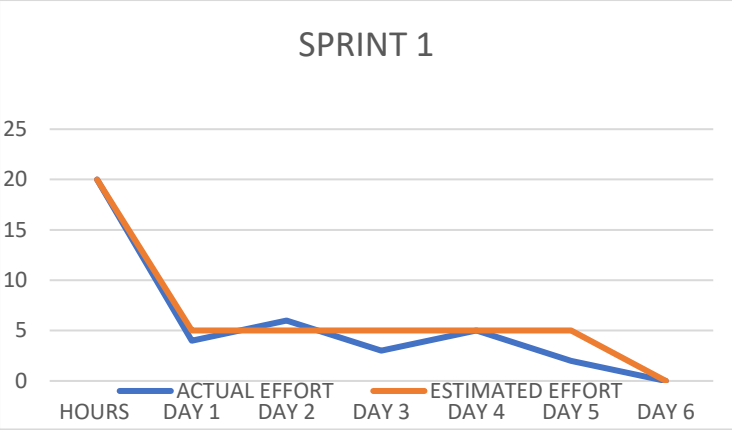
EFFORT	HOURS	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
ACTUAL EFFORT	25	4	7	6	6	2	0
ESTIMATED EFFORT	25	5	5	5	5	5	0

SPRINT 4

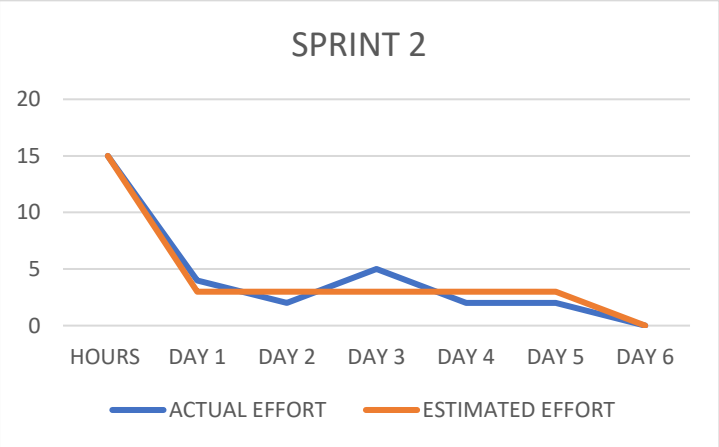
EFFORT	HOURS	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
ACTUAL EFFORT	40	9	7	10	9	5	0
ESTIMATED EFFORT	40	8	8	8	8	8	0

BURNDOWN CHART:

SPRINT 1



SPRINT 2



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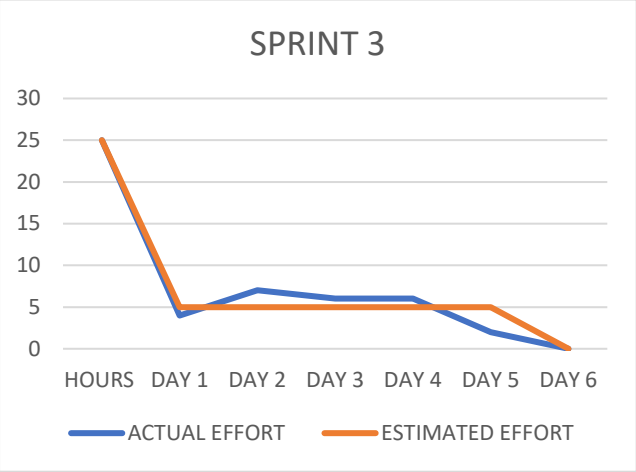
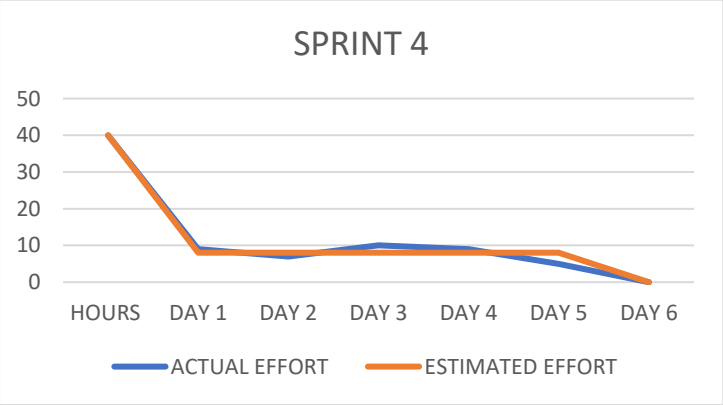


SPRINT 4



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Reference:

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https://www.atlassian.com/agile/tutorials/sprints

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https://www.atlassian.com/agile/tutorials/burndown-charts