Project Planning Phase

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

D	18
T	PNT202
Pr oj	Developing a Flight delay prediction model using
Maxi	8

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

S p	Functional Requirement	User Story	U s	Story Points	Pri orit	Team Members
Sp rint -1	Data collection and pre-	U S N	As a user, I can't interact with model.so that user can know	2	H i g	S.Ameena, H.Mubeena
Sp rint	Model building	U S	As a user, I can predict flight delay	1	H i	S.Ameena, H.Mubeena
Sp rint	Model Evaluation	U S	As a user, I can predict flight delay	2	h i	S.Ameena, H.Mubeena,
Sp rint -2	Model deployment on IBM cloud	U S N	As a user, I can request the cloud to use the model	2	Me diu m	K.Thang arani
Sp rint	User interactio	U S	As a user, I can interact with the dashboard to	1	H i	Krishna Keshav P
Sp rint	Regist ration	U S	As a user, I can register the	2	H i	S.Ameen a
Sp rint	L o	U S	As a user, I can log into the application	2	Me diu	S.Ameena
Sp rint	Raising Query and	U S	As a user, I can raise complaint	1	Me diu	S.Ameena, H.Mubeena
Sp rint -4	Improve overall web application	U S N	As a user, I can use revised version of web application	1	H i g	S.Ameena, H.Mubeena, K.Thangarani

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Sprint Release Date (Actual)

a n n e d E n d D a t e)

Sprint-1 20 6 Days 24 Oct 2022 29 Oct 2022 20 29 Oct 2022 Sprint-2 20 6 Days 31 Oct 2022 05 Nov 2022 20 07 Nov 2022 Sprint-3 20 6 Days 07 Nov 2022 12 Nov 2022 20 14 Nov 2022 Sprint-4 20 6 Days 14 Nov 2022 19 Nov 2022 20 20 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)

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

Burndown Chart: