

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

Date	05/12/2023
Team ID	Team-592216
Project Name	Brain Tumor Detection
Maximum Marks	10Marks

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

User Story Number	User Story / Task	Story Points	Priority	Team Members
US1	Implement Frontend in React.js	5	High	ADITYA
US2	Develop RESTful API in Flask	8	High	ADELIN

US3	Set up MongoDB Database	3	Medium	ADITYA
US4	Integrate JWT for Authentication	5	Medium	ADELIN
US5	Implement Brain Tumor Detection Algorithm (TensorFlow/PyTorch)	13	High	ADITYA
US6	Design and Implement Database Replication	8	High	ADELIN
US7	Configure Docker Containers	5	Medium	ADITYA
US8	Deploy on Kubernetes	8	High	ADELIN
US9	Implement Load Balancing	5	Medium	ADITYA
US10	Set Up CDN for Content Delivery	5	Low	ADELIN

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	5	2 Days	10 Nov 2023	12 Nov 2023	5	12 Nov 2023
Sprint-2	3	2 Days	12 Nov 2023	14 Nov 2023	3	14 Nov 2023
Sprint-3	3	2 Days	14 Nov 2023	16 Nov 2023	3	16 Nov 2023
Sprint-4	3	1 Days	16 Nov 2022	17 Nov 2023	3	17 Nov 2023

Velocity:

Sprint-1 Velocity = $5/2 = 2.5$

Sprint-2 Velocity = $3/2 = 1.5$

Sprint-3 Velocity = $3/2 = 1.5$

Sprint-4 Velocity = $3/1 = 3$