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

Date	27 October 2023
Team ID	Team-591663
Project Name	Ai- driven Optimization of 5G Resource allocation for network efficiency
Maximum Marks	20 Marks

Product Backlog, Sprint Schedule, and Estimation

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	Project setup & Infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the Ai- driven Optimization of 5G Resource allocation for network efficiency	1	High	Tanmayee
Sprint-1	development environment	USN-2	Gather a diverse dataset of images containing different types of garbage for training the deep learning model.	2	High	Raamesh
Sprint-2	Data collection	USN-3	Preprocess the collected dataset by enchancing the data and refining	2	High	Aswin
Sprint-2	data preprocessing	USN-4	Explore and evaluate different deep learning architectures to select the most suitable model for Ai- driven Optimization of 5G Resource allocation for network efficiency	3	High	Raamesh
Sprint-3	model development	USN-5	train the selected deep learning model using the pre-processed dataset and monitor its performance on the validation set.	4	High	Aswin
Sprint-3	Training	USN-6	implement data augmentation techniques (e.g., rotation, flipping) to improve the model's robustness and accuracy.	6	medium	Tanmayee

Sprint-4	model deployment & Integration	USN-7	deploy the trained deep learning model as an API or web service to make it accessible for Ai- driven Optimization of 5G Resource allocation for network efficiency. integrate the model's API into a user-friendly web interface for users to upload data and receive results.	1	medium	Tanmayee
Sprint-5	Testing & quality assurance	USN-8	conduct thorough testing of the model and web interface to identify and report any issues or bugs. fine-tune the model hyperparameters and optimize its performance based on user feedback and testing results.	1	medium	Aswin

Project Tracker, Velocity & Burndown Chart:

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	3	2 Days	15 Oct 2023	18 Oct 2023	20	15 Oct 2023
Sprint-2	5	3 Days	18 Oct 2023	23 Oct 2023		
Sprint-3	10	4 Days	23 Oct 2023	27 Oct 2023		
Sprint-4	1	7 Days	27 Oct 2023	6 Nov 2023		
Sprint-5	1	2 Days	6 Oct 2023	9 Nov 2023		