

Project Planning Phase

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

Date	19/10/23
Team ID	591057
Project Name	Snack Squad
Maximum Marks	4 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	Project setup & Infrastructure	USN-1 Set up the development environment with the required tools and frameworks to start the garbage classification project.	1	High	Saurav
Sprint-1	development environment	USN-2 Gather a diverse dataset of images containing different types of garbage (plastic, paper, glass, organic) for training the deep learning model.	2	High	Shubhjeet
Sprint-2	Data collection	USN-3 Preprocess the collected dataset by resizing images, normalizing pixel values, and splitting it into training and validation sets.	2	High	Vaibhav
Sprint-2	data preprocessing	USN-4 Explore and evaluate different deep learning architectures (e.g., CNNs) to select the most suitable model for garbage classification.	3	High	Vaibhav
Sprint-3	model development	USN-5 train the selected deep learning model using the preprocessed dataset and monitor its performance on the validation set.	4	High	Saurav

Sprint-3	Training	USN-6 implement data augmentation techniques (e.g., rotation, flipping) to improve the model's robustness and accuracy.	6	medium	Shubhjeet
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Sprint-4 model deployment & Integration

model's API into a user-friendly web interface for users to upload images and receive garbage classification results.

hyperparameters and optimize its performance based on user feedback and testing results.

Sprint-5 Testing & quality assurance

USN-7 deploy the trained deep learning model as an API or web service to make it accessible for garbage classification. integrate the

USN-8 conduct thorough testing of the model and web interface to identify and report any issues or bugs. fine-tune the model

1 medium Shivam 1 medium Srikanth

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	3	3 Days 15 Oct 2023 3 Sep 2023	20	3 Sep 2023
Sprint-2	5	5 Days 19 Oct 2023 8 Sep 2023		
Sprint-3	10	7 Days 25 Oct 2023 15 Sep 2023		
Sprint-4	1	7 Days 01 Nov 2023 19 Sep 2023		
Sprint-5	1	7 Days 11 Nov 2023 25 Sep 2023		

