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

Date 20 November 2023	
Team ID SI-GuidedProject-611244-1700554953	
Project Name ZOMBIE DETECTOR:Using ML To Save Lives During A Zombie Apocalypse	

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story User Story / Task Number	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	Aditya
Sprint-1	development environment	USN-2 Gather a diverse dataset of Zombie/Human	2	High	Aditya
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	Aditya
Sprint-2	data preprocessing	USN-4 Explore and evaluate different machine learning architectures to select the most suitable model for Zombie Prediction	3	High	Aditya
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	Aditya

Sprint-3	Training	USN-6 implement data augmentation techniques (e.g.,outlier,identification) to improve the model's robustness and accuracy.	6	medium	Aditya
Sprint-4	model deployment & Integration	USN-7 deploy the trained deep learning model as an API or web service to make it accessible for garbage classification. integrate the model's API into a user-friendly web interface for users to upload images and receive garbage classification results.	1	medium	Aditya
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	Aditya