

Initial Project Planning Template

Date	27 Sep 2024
Team ID	team-740082
Project Name	Real-time Bone Fracture Detection with YOLO-V8 Using X-ray Images
Maximum Marks	4 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data Collection and Preprocessing	USN-1	Collect X-ray datasets for training	5	High	Varalaxmi	2024/10/20	2024/10/21
Sprint-1	Data Collection and Preprocessing	USN-2	Clean and preprocess X-ray images	8	High	Sreyas, Khursheed	2024/10/22	2024/10/22
Sprint-1	Data Collection and Preprocessing	USN-3	Annotate X-ray images with bounding boxes	3	Medium	Rachana	2024/10/23	2024/10/24
Sprint-2	Exploratory Data Analysis	USN-4	Perform descriptive statistics on dataset	5	Medium	Sreyas	2024/10/24	2024/10/25

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-2	Exploratory Data Analysis	USN-5	Visualize dataset distribution (fractures vs. non-fractures)	3	Medium	Varalaxmi	2024/10/26	2024/10/27
Sprint-2	Exploratory Data Analysis	USN-6	Evaluate dataset quality and detect imbalances	8	High	Rachana, Sreyas	2024/10/28	2024/10/29
Sprint-3	Model Building	USN-7	Train YOLO-V8 model on annotated X-ray data	13	High	Varalaxmi	2024/10/30	2024/11/1
Sprint-3	Model Building	USN-8	Test YOLO-V8 model accuracy on validation data	5	Medium	Rachana	2024/11/02	2024/11/4
Sprint-3	Performance Tuning	USN-9	Fine-tune hyperparameters for better accuracy	8	High	Khursheed, Sreyas	2024/11/5	2024/11/6
Sprint-4	Model Deployment	USN-10	Save the best-performing YOLO-V8 model	3	Medium	Varalaxmi	2024/11/7	2024/11/8
Sprint-4	Model Deployment	USN-11	Integrate YOLO-V8 with a real-time prediction API	8	High	Varalaxmi	2024/11/9	2024/11/11
Sprint-4	Model Deployment	USN-12	Develop web application using Flask	5	Medium	Varalaxmi	2024/11/12	2024/11/13
Sprint-4	Project Report	USN-13	Document the workflow and generate project report	5	Medium	Varalaxmi, Sreyas, Rachana, Khursheed	2024/11/14	2024/11/15