

Initial Project Planning Template

Date	15 March 2024
Team ID	SWTID1720440447
Project Name	Covid Vision: Advanced COVID-19 Detection from Lung X-rays with Deep Learning
Maximum Marks	4 Marks

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

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Dataset Acquisition	USN-1	As a data scientist, I want to obtain a dataset of lung X-ray images for analysis.	2	High	Sahana Sree K, Shanmugha Priyan S K, S Ashwin	08/07/24	10/07/24
Sprint-2	Data Preprocessing	USN-2	As a machine learning engineer, I want to preprocess the images (resize, normalize pixel values, etc.).	1	High	Pramodh AVG, Sahana Sree K	11/07/24	14/07/24
Sprint-3	Model Selection	USN-3	As a machine learning engineer, I want to select a pre-trained deep learning model (e.g., VGG, ResNet) and modify it for classification.	2	Low	Shanmugha Priyan S K, S Ashwin	11/07/24	11/07/24

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-4		USN-4	As a machine learning engineer, I want to train and evaluate the model on the preprocessed dataset.	2	Medium	Sahana Sree K, Shanmugha Priyan S K, S Ashwin	11/07/24	14/07/24
Sprint-5	Model Evaluation	USN-5	As a data analyst, I want to generate confusion matrices, classification reports, and visualize model attention maps to understand key features and identify areas for further improvement.	3	High	Sahana Sree K, Shanmugha Priyan S K, S Ashwin, Pramodh AVG	11/07/24	15/07/24
Sprint-6	Web App Development	USN -6	As a web developer, I want to design the web app user interface and implement the backend using Flask to handle image uploads.	2	High	Sahana Sree K, Pramodh AVG	15/07/24	17/07/24
Sprint-7	Model Integration and Testing	USN-7	As a developer, I want to integrate the trained deep learning model into the web app, test it end-to-end, and fix any issues that come up.	1	High	Sahana Sree K, Shanmugha Priyan S K, S Ashwin	17/07/24	19/07/24