

Initial Project Planning

Date	15 March 2024
Team ID	SWTID1720425899
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)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Obtain a dataset of lung X-ray images and create train and test dataset	USN-1	As a data scientist, I want to obtain a dataset of lung X-ray images for analysis..	2	Medium	Amritha Varshini R K Gokul S	08/07/24	10/07/24

Sprint-2	Preprocess the images (resize, normalize pixel values, etc.).	USN-2	As a machine learning engineer, I want to apply transfer learning to train a model.	1	High	Gokul Rajan Savitha Sundaresan	11/07/24	14/07/24
Sprint-3	Select a pre-trained deep learning model (e.g., VGG, ResNet) and modify the architecture for classification	USN-3	As a machine learning engineer, I want to apply transfer learning algorithms on the dataset	2	Low	Gokul Rajan Savitha Sundaresan	11/07/24	14/07/24
Sprint-4	Train the model on preprocessed dataset	USN-4	As a machine learning engineer, I want to train	2	Medium	Savitha Sundaresan	11/07/24	14/07/24

			and evaluate the model.			Amritha Varshini R K		
Sprint-5	Generate confusion matrices and classification reports, visualize model attention maps to understand key features and identify areas for further model improvement	USN-5	As a data analyst, I want to analyze the model's performance to improve accuracy.		High	Amritha Varshini R K Gokul S	11/07/24	14/07/24

Sprint-6	Design the web app user interface , implement the backend using Flask to handle image uploads		As a web developer, I want to build a web app to deploy the model		High	Amritha Varshini R K Gokul S	15/07/24	17/07/24
Sprint-7	Integrate the trained deep learning model into the web app and test the web app end to end and fix any issues	USN-5	As a developer, I want to integrated and deploy the model, test it and fix any issues that cocmes up.	1	High	Gokul S Gokul Rajan	18/07/24	19/07/24