Initial Project Planning Report

Date	20-06-2025
Team ID	SWDTID1749906902
Project Nme	Early Stage Disease Diagnosis System Using Human Nail Image Processing
Maximum Marks	4 Marks

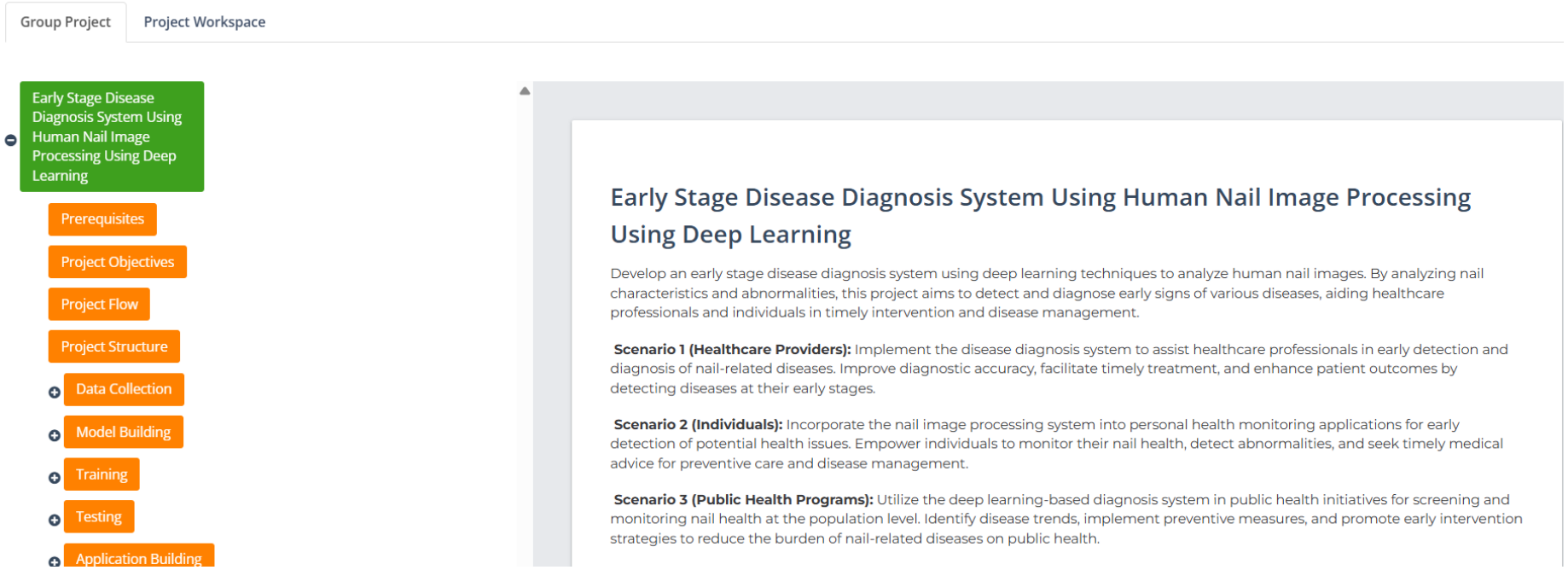
Product Backlog, Sprint Schedule, and Estimation

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data Collection and Preprocessing	SL-3	Understanding & loading data	Low	Ayush M Singh	2025/06/18	2025/06/19
Sprint-1	Data Collection and Preprocessing	SL-4	Data cleaning	High	Ayush Yadav	2025/06/18	2025/06/19
Sprint-1	Data Collection and Preprocessing	SL-5	EDA	Medium	Ayush Yadav	2025/06/18	2025/06/19
Sprint-4	Project Report	SL-20	Report	Medium	Ayush M Singh	2025/06/20	2025/06/20
Sprint-2	Model Development	SL-8	Training the model	Medium	Rahul Yadav	2025/06/19	2025/06/19
Sprint-2	Model Development	SL-9	Evaluating the model	Medium	Rahul Yadav	2025/06/19	2025/06/19
Sprint-2	Model tuning and testing	SL-13	Model tuning	High	Rahul Yadav	2025/06/19	2025/06/19
Sprint-2	Model tuning and testing	SL-14	Model testing	Medium	Rahul Yadav	2025/06/19	2025/06/19

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-3	Web integration and Deployment	SL-16	Building HTML templates	Low	Ayush M Singh	2025/06/20	2025/06/20
Sprint-3	Web integration and Deployment	SL-17	Local deployment	Medium	Ayush Yadav	2025/06/20	2025/06/20

Screenshot:



Group Project | Project Workspace

- Early Stage Disease Diagnosis System Using Human Nail Image Processing Using Deep Learning
  - Prerequisites
  - Project Objectives
  - Project Flow
  - Project Structure
  - Data Collection
  - Model Building
  - Training
  - Testing
  - Application Building

Scenario 2 (Individuals): Incorporate the nail image processing system into personal health monitoring applications for early detection of potential health issues. Empower individuals to monitor their nail health, detect abnormalities, and seek timely medical advice for preventive care and disease management.

Scenario 3 (Public Health Programs): Utilize the deep learning-based diagnosis system in public health initiatives for screening and monitoring nail health at the population level. Identify disease trends, implement preventive measures, and promote early intervention strategies to reduce the burden of nail-related diseases on public health.

Technical Architecture: