Initial Project Planning Template

Date	19 June 2025
Team ID	SWTID1749821186
Project Name	Enhancing Product Reliability: Leveraging Transfer Learning for Fault Detection
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
1	Build Deep Learning Model	US-01	Collect and preprocess casting dataset	1	High	Kavisha, Mikhail	2025-06-19	2025-06-20
1	Build Deep Learning Model	US-02	Train model using transfer learning	13	High	Kavisha, Mikhail	2025-06-20	2025-06-24
1	Build Deep Learning Model	US-03	Evaluate model performance and save trained model	3	High	Kavisha, Mikhail	2025-06-24	2025-06-25

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
2	Design Web Interface	US-04	Create homepage with navigation and styling	2	Medium	Pallavi	2025-06-25	2025-06-26
2	Design Web Interface	US-05	Build About, Contact, and Upload pages with Tailwind CSS	3	Medium	Pallavi	2025-06-26	2025-06-28
2	Design Web Interface	US-06	Add error and result pages with dynamic content placeholders	2	Medium	Pallavi	2025-06-28	2025-06-29
3	Integrate Model with Web App	US-07	Connect upload form to Flask backend	3	High	Angelina	2025-06-29	2025-06-30
3	Integrate Model with Web App	US-08	Load trained model and return prediction result	3	High	Angelina	2025-07-01	2025-07-02
3	Integrate Model with Web App	US-09	Display prediction result on output page	2	High	Angelina	2025-07-03	2025-07-04