ID	Name	Timeline
1	Automated Asset Oversight and Maintenance …	2024 Q1 – 2025 Q4
2	▾ Project Initiation	2024 Q1
39	Define Project Objectives and Scope	2024 Q1
3	Project Kickoff Meeting	2024 Q1
46	Meeting Team	2024 Q1
5	▾ Preliminary Research	2024 Q1–Q2
6	Literature Review	2024 Q1
7	Market Research	2024 Q1
8	Feasibility Study	2024 Q2
9	Review and Summarise	2024 Q2
10	▾ Data Collection and Preprocessing	2024 Q2–Q3
14	Define Image Collection Protocol	2024 Q2
12	Image Collection	2024 Q2
13	Image Labelling	2024 Q3
41	Image Preprocessing and Quality Enhance…	2024 Q3
11	▾ Model Development and Training	2024 Q3–Q4
15	Choose and Implement Preprocessing Met…	2024 Q3
16	Model Design and Train	2024 Q3
18	Model Optimization and Hyperparameter T…	2024 Q4
19	Validate Model Performance	2024 Q4
20	▾ Unsupervised Anomaly Detection Integration	2024 Q4
21	Integrate Unsupervised Learning Techniques	2024 Q4
22	Test and Validate Anomaly Detection	2024 Q4
25	▾ System Integration and Testing	2025 Q1–Q2
42	Develop Integration Plan	2025 Q1
28	▾ User Interface Design	2025 Q1
29	Design UI for Inspection Results	2025 Q1
30	Review and Refine UI Design	2025 Q1
47	Create UI	2025 Q1
26	Integrate Trained Models with Existing Syst…	2025 Q1
27	Conduct Unit Testing	2025 Q2
43	Conduct Integration Testing	2025 Q2
44	Conduct End-to-End Testing	2025 Q2
45	Conduct Performance Testing	2025 Q2
31	▾ Deployment and Monitoring	2025 Q2–Q3
32	Deploy Integrated System	2025 Q2
33	Monitor System Performance	2025 Q3
48	Revision/Revisit	2025 Q3
34	▾ Final Documentation and Reporting	2024 Q1 – 2025 Q3
35	Prepare Project Documentation	2024 Q1 – 2025 Q3
36	Create Final Project Report	2025 Q4
37	▾ Project Closure	2025 Q4
38	Conduct Project Review and Evaluation	2025 Q4