

Time Management

Project Milestone	w 1	w 2	w 3	w 4	w 5	w 6	w 7	w 8	w 9	w 10	w 11	w 12
Project Initiation Phase												
Planning and Documentation Phase												
Software Details and Algorithm Development Phase												
Project Implementation Phase												
Documentation and Reporting Phase												
Project Review and Closure Phase												

1. Project Initiation Phase

Milestone 1: Project Kick-off

- Date: Week 1 - Week 2
- Objective: Official commencement of the project, including team introductions and distribution of roles.
- Deliverables:
 - Signed project charter.
 - Team roles and responsibilities document.

Milestone 2: Project Charter Approval

- Date: Week 1 - Week 2
- Objective: Formal approval of the project charter.
- Deliverables:
 - Approved project charter.

2. Planning and Documentation Phase

Milestone 3: Gantt Chart Finalization

- Date: Week 3
- Objective: Completion of the Gantt chart outlining project phases, tasks, and timelines.
- Deliverables:
 - Finalized Gantt chart.

Milestone 4: Software Selection

- Date: Week 3 - Week 7
- Objective: Identification and selection of the required software for the project.
- Deliverables:
 - Software requirements document.
 - Chosen software documentation.

Milestone 5: AI Project Management Plan

- Date: Week 3 - Week 7
- Objective: Completion of the AI project management plan, including WBS, cost estimates, and risk management strategies.
- Deliverables:
 - AI project management plan document.

3. Software Details Phase

Milestone 6: Software Installation and Configuration

- Date: Week 4 - Week 9
- Objective: Successful installation and configuration of the selected software.
- Deliverables:
 - Installed and configured software.

Milestone 7: Integration Protocols Defined

- Date: Week 4 - Week 9

- Objective: Establishment of protocols for integrating the software with elevator systems.
- Deliverables: Documented integration protocols.

4. Algorithm Development Phase

Milestone 8: AI Algorithm Selection

- Date: Week 4 - Week 9
- Objective: Finalization of AI algorithms to be used in predictive maintenance.
- Deliverables:
 - Documented AI algorithm selection.

Milestone 9: Vibration Parameter Analysis

- Date: Week 4 - Week 9
- Objective: Identification of key vibration parameters for analysis.
- Deliverables:
 - Documented vibration parameter analysis.

5. Project Implementation Phase

Milestone 10: IoT Sensor Setup

- Date: Week 5 - Week 11
- Objective: Successful installation and setup of IoT sensors.
- Deliverables:
 - Installed and configured IoT sensors.

Milestone 11: Model Training and Testing

- Date: Week 6 - Week 11
- Objective: Training and testing of predictive models using collected data.
- Deliverables:
 - Trained and tested predictive models.

Milestone 12: Integration with Elevator Systems

- Date: Week 6 - Week 11
- Objective: Successful integration of predictive maintenance systems with existing elevator systems.
- Deliverables:
 - Integrated elevator and AI system.

Milestone 13: User and Stakeholder Training

- Date: Week 7 - Week 11
- Objective: Training sessions conducted for end-users and stakeholders.
- Deliverables:
 - User training materials.
 - Stakeholder training documentation.

Milestone 14: Continuous Improvement Mechanism Established

- Date: Week 5 - Week 11
- Objective: Implementation of continuous monitoring processes and feedback loops.
- Deliverables:
 - Documented continuous improvement mechanism.

6. Documentation and Reporting Phase

Milestone 15: Project Report Compilation

- Date: Week 8 - Week 12
- Objective: Compilation of the comprehensive project report.
- Deliverables:
 - Final project report.

Milestone 16: Flowcharts and Diagrams

- Date: Week 8 - Week 12
- Objective: Creation of flowcharts and diagrams to visualize system processes.
- Deliverables:
 - Flowcharts and system architecture diagrams.

Milestone 17: Implementation Process Documentation

- Date: Week 8 - Week 12
- Objective: Detailed documentation of the step-by-step implementation process.
- Deliverables:
 - Documented implementation process.

Milestone 18: Project Outputs and Results

- Date: Week 8 - Week 12
- Objective: Capture and analysis of project outputs and results.
- Deliverables:
 - Recorded AI model outputs.
 - Analysis and interpretation of results.

7. Project Review and Closure Phase

Milestone 19: Project Evaluation

- Date: Week 9 - Week 12
- Objective: Evaluation of project success against initial objectives.
- Deliverables:
 - Project success evaluation report.

Milestone 20: Feedback Collection

- Date: Week 9 - Week 12
- Objective: Collection of feedback from end-users and stakeholders.
- Deliverables:
 - Compiled user and stakeholder feedback.

Milestone 21: Finalization of Project Documentation

- Date: Week 9 - Week 12
- Objective: Review and finalization of all project documentation.
- Deliverables:
 - Finalized project documentation.

Milestone 22: Project Closure Report

- Date: Week 9 - Week 12
- Objective: Summarization of project achievements and identification of areas for future improvement.
- Deliverables:
 - Project closure report.