

SYSTEMS ENGINEERING AND PROTOTYPING COURSE

Prototyping Technical Report: The Design and Construction of Autonomous Vehicle

1. Executive Summary:

A concise overview of the entire project, highlighting key achievements, challenges, and overall status.

Provides a quick snapshot for stakeholders who need a high-level understanding.

A pre-requisite report for completion of Prototyping and Systems Engineering Course:

To: Professor Stephen Henkler

By Group B 4 students :

Chimezie, Daniel Chidi	[Mat.Nr. 1230515]	daniel-chidi.chimezie@stud.hshl.de
Cho Bertrand Mungu	[Mat.Nr. 2220052]	bertrand-mungu.cho@stud.hshl.de
Ghimire, Riway	[Mat.Nr. 1232171]	riway.ghimire@stud.hshl.de

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2. Project Objectives and Scope:

Clearly states the project's goals and the boundaries of the work to be done.

Defines what the project aims to achieve and what is included and excluded.

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3. Project Methodology:

Describes the approach and techniques used to execute the project.

Outlines the specific methods, tools, and processes employed.

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4. Progress Summary:

Provides a detailed account of the work completed to date.

Includes key milestones, their status (e.g., on track, delayed), and deadlines.

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5. Findings and Analysis:

Presents the results of the project's activities and any analysis conducted.

Includes data, statistics, and interpretations of the project's performance.

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6. Key Learnings and Takeaways:

Identifies the most important lessons learned during the project.

Summarizes the main insights gained from the project's execution.

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7. Critical Blockers and Resolutions:

Lists any significant challenges or obstacles encountered.

Describes how these challenges were addressed and resolved.

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8. Budget and Finances:

Tracks the project's financial performance, including expenses and budget utilization.

Reports on any budget variances or deviations from the original plan.

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9. Timeline and Schedule:

Provides an overview of the project's timeline and progress against planned milestones.

Includes any schedule adjustments or delays.

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10. Recommendations and Next Steps:

Suggests potential actions or strategies for future project phases or related initiatives.

Outlines the recommended course of action based on the project's findings and analysis.

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11. Team Performance:

Evaluates the performance of the project team and identifies areas for improvement.

Includes feedback on team collaboration and individual contributions.

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12. Risks and Mitigation:

Identifies potential risks that could affect the project's success.

Outlines strategies for mitigating these risks and minimizing their impact.

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13. Appendices:

Includes supporting documents, such as detailed data tables, charts, or technical specifications.

Provides additional information that may be relevant to the project.

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