**Introduction to Capstone Design**

**MEXX 410**

**Name of Project:** *MECHANICAL ENGINES*

**Group Name:** *TEAM MECHANIC*

**Group Members:**

|  |  |
| --- | --- |
| *Student no #1* | *Student Name and Surname #1* |
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**Supervisor:** *Prof. Dr. XYZ HGT*

**Semester:** *Fall/Spring 202X*

**Submission Date:** *-------------- 202X*

**Eastern Mediterranean University**

**Department of Mechanical Engineering**

# ABSTRACT

* Summary of the problem
* Summary of significance of the project
* Summary of project objectives
* Summary of project constraints

**Keywords:**

# ACKNOWLEDGEMENTS

Acknowledgments may be made to individuals or institutions not mentioned elsewhere in the report who have made an important contribution.

# COPYRIGHT

“We the team members,

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Member 1 Member 2 Member 3 Member 4 Member 5

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# LIST OF SYMBOLS and ABBREVIATIONS

3D: Three Dimensional

# CHAPTER 1 - INTRODUCTION

## 1.1. Detailed definition of the project

## 1.2. Significance of the project

Note: Please discuss the relevance and contribution of your project to UNDP Sustainable Development Goals ((*Sustainable Development Goals | United Nations Development Programme*, 2023))

## 1.3. Detailed project objectives

## 1.4. Detailed project constraints

## 1.5. Report Organization

# CHAPTER 2 - LITERATURE REVIEW

## 2.1. Background information

## 2.2. Concurrent solutions

## 2.3. Comparisons of the concurrent solutions

## 2.4. Engineering standards of the concurrent solutions

# CHAPTER 3 -DESIGN and ANALYSIS

## 3.1. Proposed/Selected design

## 3.2. Engineering standards

## 3.3. Design calculations

## 3.4. Cost analysis

# CHAPTER 4 – MANUFACTURING PLAN

## 4.1. Manufacturing process selection

## 4.2. Detailed manufacturing process

# CHAPTER 5 - PRODUCT TESTING PLAN

## 5.1. Verification plan of the objectives of the project

## 5.2. Verification plan of the applied engineering standards

# REFERENCES

*Sustainable Development Goals | United Nations Development Programme*. (2023). https://www.undp.org/sustainable-development-goals

# APPENDIX A: Electronic Media

# APPENDIX B: Standards

# APPENDIX C: Constraints

# APPENDIX D: Project Plan

# APPENDIX E: Engineering Drawings

# APPENDIX F:

Note: For futher details please check the previous Capstone Project reports at

<https://me.emu.edu.tr/en/capstone-design-projects/previous-capstone-projects>