

**ATILIM UNIVERSITY**

**FACULTY OF ENGINEERING**

**PROJECT NAME**

**Name SURNAME**

**STUDENT ID**

**PROJECT SUPERVISOR:** (Academic title and name of the supervisor)

**ENERGY SYSTEMS ENGINEERING DESIGN PROJECT REPORT**

**TERM/YEAR**

**DECLARATION PAGE**

I hereby declare that all information in this document has been obtained and presented in accordance with academic rules and ethical conduct. I also declare that, as required by these rules and conduct, I have fully cited and referenced all material and results that are not original to this work.

Name Surname

Date

**ABSTRACT (Times New Roman, 16pt, Bold)**

An abstract summarizes, usually in one paragraph of 300 words or less, the major aspects of the entire project in a prescribed sequence that includes: 1) the overall purpose of the study and the research problem(s) you investigated; 2) the basic design of the study; 3) major findings or trends found as a result of your analysis; and, 4) a brief summary of your interpretations and conclusions (Times New Roman, 12pt).

**Keywords:**

**ACKNOWLEDGEMENTS**

The authors acknowledge people who have contributed to this study.

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# **LITERATURE SURVEY**

This template aims to help the students prepare their energy systems design project (1 and 2) reports for Atılım University Energy Systems Engineering students. The students are required to follow the exact formatting of page setup, page, section and subsection numbering, referencing, tables and figures as given in this template, as well as the specific instructions regarding the content of the report. The grading of this report will be both over style and content. This report must be submitted **by the last day of the final exams or the date your supervisor decided before the last day.**

The background of the problem is established to provide readers/researchers a compelling understanding of the context of the problem as in what research has been conducted on this problem. A literature review is a survey of scholarly sources on a specific topic. It provides an overview of current knowledge, allowing you to identify relevant theories, methods, and gaps in the existing research.

At the end of this section, please follow the steps below;

1. Establish your territory (say what the topic is about)
2. Establish a niche (show why there needs to be further research on your topic)
3. Introduce the current research (make hypotheses; state the research questions)

# **PROJECT DESCRIPTION**

A project description in a report **outlines the research you're undertaking, typically as part of graduate studies**. It includes your working title, your research goals, basic methodology, and why the research is needed.

# **DESIGN STUDIES**

In this section, you must develop your design of study, using a systematic methodology.

## **3.1. Design Parameters**

Key/selected parameters to enhance the design.

## **3.2. Design Calculations**

All calculations on your design parameters.

# **4. DISCUSSIONS AND CONCLUSIONS**

The inclusion of the discussions and conclusions section is mandatory in the report. It should start with a brief summary of the report. The author is expected to briefly discuss the obtained results in terms of goals set for the semester, accuracy, sufficiency, etc. Finally, the steps of the proposed future studies need to be indicated.

# **REFERENCES**

(When a reference, such as a book [1-2], handbook [3], report [4], journal [5], or conference paper [6], or any other document is cited in the text, it should be properly listed in the References section. Use the [IEEE Citation Reference](http://www.ee.hacettepe.edu.tr/ELE401-402/templates/IEEE_Citation_Reference.pdf) format.)

|  |  |
| --- | --- |
| [1] | J. K. Author, “Title of chapter in the book,” in *Title of His Published Book, x*th ed. City  of Publisher, Country if not USA: Abbrev. of Publisher, year, ch. *x*, sec. *x*, pp. *xx–xx.* |
| [2] | B. Klaus and P. Horn, *Robot Vision.* Cambridge, MA: MIT Press, 1986. |
| [3] | *Motorola Semiconductor Data Manual*, Motorola Semiconductor Products Inc.,  Phoenix, AZ, 1989. |
| [4] | J. H. Davis and J. R. Cogdell, “Calibration program for the 16-foot antenna,” Elect. Eng.  Res. Lab., Univ. Texas, Austin, Tech. Memo. NGL-006-69-3, Nov. 15, 1987. |

# **APPENDIX**

## **TEAMWORK**

This section is dedicated to clarifying the details of the team efforts. How the workload has been split up amongst the group members needs to be clearly explained in this section. Each member’s contributions to the project must be visible to the reader.

Table 1. Teamwork Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project Parts** | Group Member 1  Name -Surname | Group Member 2 Name -Surname | Group Member 3  Name -Surname | Group Member 4  Name -Surname |
| **Literature Survey** |  |  |  |  |
| **Project Description** |  |  |  |  |
| **Design Studies** |  |  |  |  |
| **Design Parameters** |  |  |  |  |
| **Design Calculations** |  |  |  |  |
| **Discussions and Conclusions** |  |  |  |  |

Table 2. Instructions from (*Please write the name of Instructor\**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Instruction Definition:  (The instruction must be written clearly) | Instruction Receivers  Group Member 1  Name -Surname | Instruction Receivers  Group Member 2 Name -Surname | Instruction Receivers  Group Member 3  Name -Surname | Instruction Receivers  Group Member 4  Name -Surname |  |

*\*Each group member should fill the table separately (For example, if there are 4 group members, there must be 4 different tables)*

## **ENGINEERING STANDARDS**

Write the engineering standards which you follow in this project. For instance;

ANSI: basic, design, management systems, process, product, test methods, and others.

ASTM: specification, test method, terminology, practice, guide.

ISO: product, test methods, codes of practice, guideline, and management systems.