

**EASTERN MEDITERRANEAN UNIVERSITY**

**FACULTY OF ENGINEERING**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**MENG/MECT 400 SUMMER PRACTICE**

**(FALL 2020-2021)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CATEGORIES** | | **SO** | **WEIGHT /100** | **MARK** |
| Record and Logbook Keeping | | - | - |  |
| Company’s Supervisor Evaluation | | 4 | 50 |  |
| Report | | 3, 7 |  |  |
| Ch1 | Introduction | - | 10 |  |
| Ch2 | Product Information | - | 10 |  |
| Ch3 | Performed Work | - | 10 |  |
| Ch4 | Personal Development and Awareness about Contemporary Issues | - | 10 |  |
| Appendix | Standards |  | 10 |  |
| **TOTAL** | |  | **100** |  |

**Student’s**

**Name, Surname:**

**Number:**

|  |  |  |
| --- | --- | --- |
| **Student Outcomes** | | |
| **1** |  | an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics |
| **2** |  | an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors |
| **3** | **X** | an ability to communicate effectively with a range of audiences |
| **4** | **X** | an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts |
| **5** |  | an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives |
| **6** |  | an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions |
| **7** | **X** | an ability to acquire and apply new knowledge as needed, using appropriate learning strategies |

MENG/MECT400 SUMMER PRACTICE REPORT

Submitted to the Summer Practice Committee in Partial Fulfilment of the Requirements for the Summer Practice Course MENG/MECT400

Fall 2020-2021

Name Surname, Student No

Eastern Mediterranean University

Faculty of Engineering

Department of Mechanical Engineering

LIST OF CONTENTS

[LIST OF TABLES 4](#_Toc48207778)

[LIST OF FIGURES 5](#_Toc48207779)

[ACKNOWLEDGEMENT 6](#_Toc48207780)

[CHAPTER 1 INTRODUCTION 7](#_Toc48207781)

[1.1 Background 7](#_Toc48207782)

[1.2 Company Information 8](#_Toc48207783)

[1.3 Structure of the Report 8](#_Toc48207784)

[CHAPTER 2 PRODUCT INFORMATION 9](#_Toc48207785)

[2.1 Products of the Company 9](#_Toc48207786)

[CHAPTER 3 PERFORMED WORK 10](#_Toc48207787)

[3.1 Daily Activities and Performed Work at the Workplace 10](#_Toc48207788)

[CHAPTER 4 PERSONAL DEVELOPMENT AND AWARENESS ABOUT CONTEMPORARY ISSUES 11](#_Toc48207789)

[4.1 Acquired Skills and Recognition of Contemporary Issues 11](#_Toc48207790)

[REFERENCES 12](#_Toc48207791)

[APPENDIX A Standards 13](#_Toc48207792)

[APPENDIX B Curriculum Vitae 14](#_Toc48207793)

LIST OF TABLES

[Table 1‑1: “Sandia method” weighting factors. 6](#_Toc495415642)

LIST OF FIGURES

[Figure 1‑1: World primary energy consumption in 2011 [1]. 6](#_Toc495415650)

ACKNOWLEDGEMENT

You can write your acknowledgements in this part if you would acknowledge to someone or the company.

# INTRODUCTION

## Background

This chapter should include an introduction to the company, your job description and duties. You can give some details about your daily work and functions and your accomplishments as well as setbacks. You can also briefly provide the nature of interaction with your co-workers and team members and mention about common experiences that you gained.

You do not have to use the same subsection headings that are given in this template. You can have different subsection headings accordingly depending the nature of work you did in your summer practice. You are not limited with the number of subsections.

Please include references for the figures that are not your own proprietary. See Figure 1‑1[1] as an example. Make sure that figure captions are located below the figures and the figures are mentioned in the text. E.g. Figure 1‑1[1] shows the world primary energy consumption in 2011.

Figure 1‑1: World primary energy consumption in 2011 [1].

The table captions should be above the tables and should be referred in the text. Table 1‑1 shows the Sandia method weighting factors.

Table 1‑1: “Sandia method” weighting factors.

|  |  |
| --- | --- |
| Weather parameter | Weighting factor |
| Max dry bulb temperature | 1/24 |
| Min dry bulb temperature | 1/24 |
| Mean dry bulb temperature | 2/24 |

If you will use equations please employ the below format.

|  |  |  |
| --- | --- | --- |
|  |  | Equation 1‑1 |

where,

FSx= FS statistic for a particular weather parameter

CDFx= Cumulative distribution function (CDF) of a particular weather parameter

N= Total number of values (data points) that CDF has

## Company Information

Please provide all the information regarding the company in this section. State the sector of the company and their manufactured or produced goods and services. Give details about the location of the company (city, country) and number of employees as well as number of Mechanical, Electrical and Mechatronics engineers. Provide the company’s organizational chart if you have it and state the position of interns on the chart.

## Structure of the Report

In this section, explain the structure of your report and the topics covered in each chapter. E.g., this report is the summer practice report detailing all the activities that were carried out by the author during the summer practice period. This work has five chapters. In CHAPTER 1, general information about the report and the details of the company is presented. In CHAPTER 2 …

.

# PRODUCT INFORMATION

## Products of the Company

Explain the type of the goods and the services that the company produces in detail in this chapter. Give information about the processes of production. Calculations and applications of engineering during these processes of work should be mentioned. In addition, give the details about the employed technologies that are used for producing the goods and services.

Details of the departments and their interaction with each other should be given in this chapter. E.g., “Parts are manufactured in the casting department and then delivered to assembly department for assembling process. Following the assembly process…

.

# PERFORMED WORK

## Daily Activities and Performed Work at the Workplace

This chapter is one of the significant part of the report since it shows your daily activities and performed duties during your summer practice.

Explain the work done by yourself as individual and as a team member within the company. Please state your positions and contributions during these works. Some examples: designing a part, generating the technical drawing of a part, performing theoretical calculations to adjust or solve a problem, using or maintaining any machine in workshop or discussing some topics with engineers, technicians or managers.

Your daily summary contained in the logbook should support the information presented in this chapter.

# PERSONAL DEVELOPMENT AND AWARENESS ABOUT CONTEMPORARY ISSUES

## Acquired Skills and Recognition of Contemporary Issues

In this chapter, state the skills and capabilities you have gained during your summer practice. For instance, you can explain details about attended seminars, gained skills about using a software, experienced manufacturing methods or observed production planning. In addition, state contemporary issues that you experienced during your practice.

REFERENCES

[1] BP, “BP Statistical Review of World Energy June 2012,” London, 2012.

1. Standards

In the appendix section, you should list the standards that are followed by the company. You should also briefly explain the associated standards particularly in the context of the manufactured products or given services by the company.

1. Curriculum Vitae

**Aaa Bbb Ccc**

|  |
| --- |
| **Famagusta, North Cyprus, via Mersin 10, Turkey | +90-533-00000000 | email@hotmail.com** |

**OBJECTIVE**

Seeking a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills and enables me to add value to organizational operations and help me to grow personally and excel professionally.

*Replace this text with your own, briefly state your career objective, or summarize what makes you stand out. Use language from the job description as keywords.*

**EDUCATION**

**2016 – 2020** **Eastern Mediterranean University, Turkey**

BS Mechanical Engineering, CGPA , (ABET Accredited Program)

It’s okay to brag about your GPA, awards, & honors. Feel free to summarize your coursework too.

**2012 – 2016 Higher Secondary School, Country**

ABC

**PROJECTS**

**2018 Capstone Design Project:**

**2018 Course Project**

**2017 Course Project**

**2017 Course Project**

**EXPERIENCE**

**Aug 2016 – Sep 2016 Oil and Gas Company Limited**

**Position:** *Trainee Engineer (internship)*

**Job Description:** Drilling, Maintenance, Geographical Data Acquisition, and Inventory Management.

*Describe your responsibilities and achievements in terms of impact and results. Use examples, but keep it short.*

**Aug 2016 – Sep 2016 HVAC Company Limited**

**Position:** *Trainee Engineer (internship)*

**Job Description:** Cooling load calculation for Commercial and non-commercial buildings, CAD drawings.

**Oct 2015 – July 2016 International Office Eastern Mediterranean University**

**Position:** *Student Assistant*

**Job Description:** Worked as an Assistant to provide support to students regarding registration, course selection, scholarships, events and festivals, sports activities, societies and translation of documents.

**ACHIEVEMENTS**

High Honor and Honors Awards

**SKILLS**

**Software:** ANSYS, CAD Modelling and Assembly in Solidworks, Engineering Equation Solver (EES), Matlab.

List your strengths relevant for the role you’re applying for

**Management:** Work Breakdown Structure (WBS), Quality Function Deployment (QFD), Failure Mode & Effect Analysis (FMEA), Total Quality Management (TQM), Lean & Six Sigma

**Microsoft Office:** MS Word, MS PowerPoint, MS Excel, MS Project

**Language:** Proficient in English

**ACTIVITIES**

*Use this section to highlight your relevant passions, activities, and how you like to give back. It’s good to include Leadership and volunteer experiences here. Or show off important extras like publications, certifications, languages and mo*