



اُنِيْوَرْسِيْتِيْ تِيْكْنُوْلُوْجِيْ مَآرَا
UNIVERSITI
TEKNOLOGI
MARA

INDUSTRIAL TRAINING REPORT

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UTM
UNIVERSITI TEKNOLOGI MALAYSIA



MEDiTEC
Medical Devices and Technology Centre



1 MARCH 2023 - 15 AUGUST 2023

Executive Summary

My involvement in the real world of work as a practical student for half an enlightening year began at Universiti Teknologi Malaysia (UTM). My training at the Medical Devices and Technology Centre (MEDiTEC), part of Universiti Teknologi Malaysia (UTM), which started on 1 March 2023, and ended on 15 August 2023 will be described in detail in this training report. MEDiTEC offers a variety of services such as research and development, training and certification, computational simulation laboratories and postgraduate students. These services are mostly related to biomedical engineering. But there are many other branches of research from my centre, MEDiTEC, the niche areas are Medical Informatics, Bio-Instrumentation and Orthopedic Implant Technology.

Not only that, MEDiTEC encourages new graduates and researchers from home and abroad to share ideas, opinions and new knowledge further to advance medical technology and devices for the future. I was given a job in the Medical Devices and Technology (MEDiTEC) office management section under the Institute of Human Centred Engineering (iHumEn). I have learned many things here, such as how to get old and new information, fill out the Asset form (Kew.Pa), and join the committee responsible for central events under iHumEn and others. Thanks to God, I succeeded in every task given by my supervisor. Aside from that, I likewise confronted different difficulties during my industrial training. Nevertheless, it is difficult for me to give up and transform the difficulties I face into lessons.

As a result, I have composed this report to convey what I realized and saw during my internship position with this centre which includes my recent resume to look for work after graduation. Besides, I've likewise included data about the office's profile, for example, working hours, area, history, the board style, goals and techniques, hierarchical design, and services provided. In the reflection segment, I depict my movement, my encounters, and the advantages I acquired from partaking in the centre. In the following part, I address how I might address the SWOT analysis featured by this centre in the realistic given. The last piece of my report, to which I have likewise included fundamental appendices.

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Acknowledgment

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the name of "Allah", I send blessings and salutations to our Prophet Muhammad, who through his will, gave me the opportunity to complete the industrial training report for this Internship (MGT666). This assignment was given by my advisor, Madam Nur Hazwani Binti Mohamad Roseli and is based on the overall understanding of the entire semester to be used during the actual work field such as management practices, completing assignments, and being responsible with the tasks given.

First of all, I would like to take this opportunity to thank the Internship lecturer (MGT666), Madam Nur Hazwani Binti Mohamad Roseli for her support and advice in preparing this industrial training report. I am grateful for her efforts in explaining this assignment. She gave me moral support and advised me on several aspects of this subject. For her support, I want to thank her, and may God reward her.

In addition, I would also like to express my deepest appreciation and gratitude to my parents for their unwavering support so that I could complete this report well and on time. Also, my thanks go to the individuals who have contributed to the development of this assignment directly and indirectly. Thank you, dear parents, family, and friends, for your cooperation, encouragement, constructive suggestions, and unwavering support in helping me finish this industrial training report. Alhamdulillah.

2.0 Company's Profile

2.1 Name, Location and Background of The Company



MEDICAL DEVICES AND TECHNOLOGY CENTRE

(MEDiTEC)

Firstly, the company I have chosen to undergo my industrial training for this final semester is at Universiti Teknologi Malaysia (UTM) or more clearly the research centre under Institute of Human Centred Engineering (iHumEn). Moreover, my intern was located at **Level 4, Wing A, Block V01, Institute of Human Centred Engineering (iHumEN), Universiti Teknologi Malaysia (UTM), 81310 UTM Johor Bahru, Johor, Malaysia**. Besides, our operation hours are from 8.00 A.M. until 5.00 P.M from Sunday to Wednesday while 8.00 A.M. until 3.30 P.M. on Thursday.

In addition, MEDiTEC also has its own vision, mission, objective and goals. Which are:

VISION

"To Become a Globally Referred Centre in Medical Devices"

MISSION

"To Conduct Research, Development and Commercialization of Innovative and Competitive Medical Devices Technology"

Furthermore, on February 12, 2019, Universiti Teknologi Malaysia (UTM) officially established the Medical Device and Technology Centre (MEDiTEC) as a research centre.