

**Guideline for the preparation of the research thesis in partial fulfillment
of the Requirement of PEARSON BTEC HND in Computing at British
College of Applied Studies**

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SAMPLE THESIS CONTENTS

PRELIMINARY CONTENTS

- Cover Page (See Appendix A)
- Declaration (See Appendix B)
- Certification (See Appendix C)
- Acknowledgement (See Appendix D)
- Abstract (See Appendix E)
- Table of Contents (See Appendix F)
- List of Tables (if any) (See Appendix G)
- List of Figures (if any) (See Appendix H)
- List of Abbreviations (See Appendix I)

CHAPTERS

CHAPTER ONE (Times New Roman, 16pt, Bold, Centered, All Caps)

INTRODUCTION (Times New Roman, 14pt, Bold, Centered, All Caps)

1.1 Overview (Subheadings, Times New Roman, 12pt, Bold, Left, Sentence Case)

1.2 Background of Research

1.3 Problem Statement

1.4 Research Questions

1.5 Research Objectives

1.6 Significance of the study

1.7 Scope and Limitation of the study

1.8 Organization of the thesis

1.9 Summary

CHAPTER TWO

LITERATURE REVIEW (Times New Roman, 14pt, Bold, Centered, All Caps)

2.1 Overview

2.2 Definition of Terms

2.3 Theoretical Review

2.4 Empirical Review

2.5 Theoretical Gaps

2.6 Empirical Gaps

2.7 Summary

CHAPTER THREE

RESEARCH METHODOLOGY

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3.2 Theoretical Framework

3.3 Hypothesis

3.4 Operationalization

3.5 Research Design

3.6 Population and Sampling

3.7 Data Collection

3.8 Data Analysis

3.9 Summary

CHAPTER FOUR

DATA PRESENTATION AND ANALYSIS

4.1 Overview

4.2 Data Analysis

4.3 Descriptive Statistics

4.4 Correlation and Regression Analysis (if needed)

4.5 Results of Hypothesis Testing

4.5 Summary

Note: Other statistical tests are optional (factor, multicollinearity and etc) and recommended

CHAPTER FIVE

FINDINGS AND CONCLUSION

5.1 Overview

5.2 Main Findings

5.3 Research Contributions

5.4 Research Implications

5.5 Limitations

5.6 Areas for Future Research

5.7 Summary

References

Appendix

RESEARCH TIME COMES HERE (24pt)

NAME WITH INITIALS

Registration No:

PEARSON REGISTRATION NO

This Dissertation is submitted to the Department of Computing, School of Computing,
British College of Applied Studies in partial fulfilment of the Requirement of the BTEC
Higher National Diploma in Computing.

Department of Computing

School of Computing

British College of Applied Studies

2021

Appendix B – Declaration

DECLARATION

I do hereby declare that this work has been originally carried out by me under the guidance of Mr. A.R. Mohamed Nizzad, Senior Lecturer, Department of Computing, and this work has not been submitted elsewhere for any other diploma or degree.

I certify that this dissertation does not incorporate without due acknowledgement of any material previously submitted for diploma or degree in any institution or university nor it does not contain any material previously published or unpublished by another person except where due reference is made in the text.

.....

Signature of Candidate

Name of the Student

PEARSON NO

Appendix C – Certification

CERTIFICATION

This is to certify that the dissertation titled “**Your Research Title**” is submitted by **Name with Initials** having the PEARSON Registration No ABC013 to the Department of Computing School of Computing, British College of Applied Studies in partial fulfillment of the requirements for the award of the BTEC Higher National Diploma in Computing.

I also certify that this is his original work based on the studies carried out independently by him during the period of study under my guidance and supervision.

This is also to certify that the above dissertation has not been previously formed the basis for the award of any degree, diploma, fellowship or any other similar title.

.....

(Signature of Supervisor)

A.R. Mohamed Nizzad

Senior Lecturer

Department of Computing

School of Computing

British College of Applied Studies

.....

Date

Appendix D – Acknowledgement

ACKNOWLEDGEMENT

Write the acknowledgement here where it is usually acknowledged the supervisor, department, the institution, family members and all those who supported to you complete this piece of work. Usually, it is limited within few paragraphs.

Sample acknowledgement is provided below

With immense gratitude and accomplishment, I write this note of acknowledgement where I must thank my module lecturer Mr. K.M. Ishraque and my supervisor Mr. A.R. Mohamed Nizzad who supported and guided me to achieve this milestone.

I also take this moment to thank my parents, family and friends who supported me in one or the other to complete my research work in a successful manner.

ABSTRACT

Humans are precise in facial expressions and recognizing them. Facial expression is a routine task of humans. Training Computers to recognize such humanly task as closed to humans can be useful in numerous ways such as offering services as per the mode of consumer or user and will enhance the phenomenon of human computer interaction. Environment and surroundings are the sources from where humans naturally learn the models of facial expressions and they have logical models in brain, and with the comparison of models, they are able to recognize the expressions of others. This research aimed to design and develop a robust facial expression recognition system by combining various techniques available in Computer Vision and Machine Learning. Hence, it was crucial to understand the human psychological aspects of facial expression in a precise manner.

Keywords: Facial Expression, Face Recognition, Machine Learning, Computer Vision, Convolutional Neural Networks (CNN)

Appendix F - Table of Contents

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Appendix I - List of Abbreviations

LIST OF ABBREVIATIONS

AP	Academic Performance
BCAS	British College of Applied Studies
BTEC	Business and Technology Education Council
GPA	Grade Point Average
TVEC	Tertiary and Vocational Education Commission
UGC	University Grants Commission

GENERAL GUIDELINES

- Throughout the document use Times New Roman font
- Margin (Left: 1.5 inches, Top, Right and Bottom: 1 inch)
- Page Size: A4 Page
- Printing should be done in single side and black in color
- Line and Paragraph spacing should be 1.5 lines
- Page numbers
 - Preliminary Contents: Roman numbering (i,ii,iii,...) should be used and start from Declaration page,
 - Chapters: Arabic numbering (1,2,3,...) should be used starting from Chapters
 - Number should be bottom centered
- Harvard referencing should be used to cite other resources

SUBMISSION GUIDELINES

Initial Submission: 3 Copies with spiral binding. Once the hard copies are submitted will be evaluated by independent examiners. Once it meets the minimum standard, you will be invited for the presentation and viva-voce. In case if you are not successful at the viva-voce or has major corrections, you will have to redo the work.

Final Submission: Once you are successful with the viva-voce, incorporating the minor comments and suggestions, you will submit 3 Hard Copies with Hard binding (Blue colour background with Letters in Gold colour).

Note: You will be returned one certified copy of the hard-binding submission for your reference.