



UNIVERSITI TEKNOLOGI PETRONAS  
UNIVERSITY TEKNOLOGY PETRONAS (UTP) POSTGRADUATE THESIS  
TEMPLATE

by

AUTHOR

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UNIVERSITY TEKNOLOGY PETRONAS (UTP) POSTGRADUATE THESIS  
TEMPLATE

by

AUTHOR

A Thesis

Submitted to the Postgraduate Studies Programme  
as a Requirement for the Degree of

DEGREE TYPE

DEPARTMENT'S NAME

UNIVERSITI TEKNOLOGI PETRONAS

BANDAR SERI ISKANDAR

PERAK

Submission date

## DECLARATION OF THESIS

Title of thesis

UNIVERSITY TEKNOLOGY PETRONAS (UTP) POST-GRADUATE THESIS TEMPLATE
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I \_\_\_\_\_ **AUTHOR** \_\_\_\_\_

hereby declare that the thesis is based on my original work except for quotations and citations which have been duly acknowledged. I also declare that it has not been previously or concurrently submitted for any other degree at UTP or other institutions.

Witnessed by

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Signature of Supervisor

Name of Supervisor:

\_\_\_\_\_  
Supervisor's name

Date: \_\_\_\_\_

## DEDICATION

To my parents, ...

## ACKNOWLEDGEMENTS

## ABSTRACT

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## LIST OF ABBREVIATIONS

*AI* Artificial Intelligence

## NOMENCLATURE

$\eta$  Objective function parameter for sum of network weights



CHAPTER 1  
INTRODUCTION

CHAPTER 2  
LITERATURE REVIEW

CHAPTER 3  
METHODOLOGY

## CHAPTER 4

### RESULTS AND DISCUSSION

## CHAPTER 5

### CONCLUSION AND RECOMMENDATION

## REFERENCES

## **RESEARCH GRANT**

## **LIST OF PUBLICATIONS**

The research work in this thesis has been presented in formal proceedings and published in the following articles:

- One publication.

## APPENDIX A

AP1

APPENDIX B

AP2