

# **FINAL YEAR PROJECT (FYP) RESEARCH METHODOLOGY: PREPARING YOUR FYP REPORT**

BY ASSOC. PROF. DR. NOR FARAHIDAH ZA'BAH  
ELECTRICAL AND COMPUTER ENGINEERING DEPARTMENT  
KULLIYAH OF ENGINEERING,  
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA



FINAL YEAR PROJECT (FYP)  
RESEARCH METHODOLOGY:  
PREPARING YOUR FYP REPORT

ASSOC. PROF. DR. NOR FARAHIDAH BINTI ZA'BAH  
2025

**Author:**

Assoc. Prof. Dr. Nor Farahidah Za'bah

**Editor:**

Assoc. Prof. Dr. Nor Farahidah Za'bah

**Published by**

NOR FARAHAIDA BINTI ZA'BAH

Electrical and Computer Engineering Department,

Kulliyyah of Engineering,

International Islamic University Malaysia,

Jalan Gombak, 53100, Kuala Lumpur, Wilayah Persekutuan

email: adah510@gmail.com

**Copyright:**

Assoc. Prof. Dr. Nor Farahidah Za'bah

All rights reserved

e ISBN 978-629-94005-0-9










# Preface

This publication was developed as a comprehensive guideline to assist students in preparing and completing their final year project, with a primary focus on engineering disciplines. However, the content and approach are broadly applicable to students in other fields as well. The material is drawn from my experience serving as the Final Year Project Coordinator from 2013 to 2020, as well as my ongoing role as a supervisor and examiner for both undergraduate and postgraduate students. Over the years, I have observed common challenges faced by students and recurring gaps in project planning, execution, and reporting. This guide aims to address these issues by offering practical advice, structured processes, and useful examples to support students throughout their final year project journey.

It is my sincere hope that it will serve as a helpful companion for students and educators alike in navigating the final year project process with greater clarity and confidence

Assoc. Prof. Dr. Nor Farahidah Za'bah

# TABLE OF CONTENT

	○ <b>ABSTRACT</b>	<b>1</b>
	○ <b>INTRODUCTION (CHAPTER 1)</b>	<b>7</b>
	○ <b>LITERATURE REVIEW (CHAPTER 2)</b>	<b>22</b>
	○ <b>METHODOLOGY (CHAPTER 3)</b>	<b>37</b>
	○ <b>PRELIMINARY DATA/RESULT – OPTIONAL</b>	<b>45</b>
	○ <b>RESULTS AND ANALYSIS (CHAPTER 4)</b>	<b>48</b>
	○ <b>CONCLUSION AND FUTURE WORK (CHAPTER 5)</b>	<b>60</b>



e ISBN 978-629-94005-0-9

