

السلام عليكم

# FYP Research Proposal Writing

**Jawad Ali Shah, PhD.**  
**Senior Lecturer**  
**UniKL BMI, Malaysia**

# Outline

- Types of Research Proposals
- Components of a research Proposal
  - Title
  - Abstract
  - Introduction (Chapter-1 FYP)
  - Literature review (Chapter-2 FYP)
  - Etc.
- Qualities of a good proposal
- Commonly used tools
  - Endnote, MS Word tools etc.
  - Turnitin for palagarism
- Q&A

# Types of Technical Writing

- Report of a technical meeting
  - ✓ Minutes of a technical session/lecture
- Technical Proposal (synopsis) or Thesis (Dissertation)
  - ✓ FYP, MS, PhD
- Proposal for funding
- Writing a research paper for publication

# FYP Report

- The FYP is as it sounds; a year-long project that evolves through three written phases:

*1-Plan & Work Smart*

*2-Consultation of Supervisor*

- ❖ The Proposal
  - ❖ The Progress Report
  - ❖ The Final Report
- At the end of the cycle, you are also required to give a presentation of your work (for evaluation) and to construct a poster.
  - For the three written phases of the project, it is important to realize that each is derived from the phase before it.
    - Thus, there is a lot of thinking, planning, and writing involved in putting together the proposal

# Elements of FYP Report

- Title
- Abstract
- Introduction (Chapter-1)
- Literature review (Chapter-2)
- Methodology
- Results and discussions
- Conclusion & recommendations (Last Chapter)
- References

# Elements of FYP Proposal...

- ***Title***
  - Short and precise (Condenses the proposal content in a few words)
  - Focus on research topic (Captures the readers' attention)
  - Differentiates your work from others in the same subject area
  - Avoid abbreviations and jargon (Know abbreviations can be used)

- ***Abstract***

An **abstract** is a brief summary of a research article, thesis, review, conference proceeding and is often used to help the reader quickly ascertain the purpose of the report.

# Chapter-1 (Introduction)

- Gives the project a context or general overview and background
- Explains why the project is important
- States what the FYP aims (objectives) to accomplish and how
- Identifies possible problems or complications
- *Is written for a non-specialist*

*Always rephrase and write your reference source when you mention an idea or fact which is not yours*

# Introduction Part...

Standard outline in Introduction chapter:

- 1.1 Background of the Project
  - ✓ *Present the general statement about the project*
- 1.2 Problem Statement
  - ✓ *Present the specific problem as the motivation for our study*
- 1.3 Objectives & Significance of the Project
  - ✓ *To design the prototype of....*
  - ✓ *To compare the performance analysis between....*
- 1.4 Scopes and Limitations of the Project
  - ✓ *The project can be applied to ...*
  - ✓ *The project only consists of*
- 1.5 Chapter Summary



# Sample introduction...

For all its strengths, GPS **has** two related weaknesses: signal reception and the accuracy of local information. Overcoming these weaknesses would greatly enhance its performance, thereby stimulating a new generation in GPS technology and design. We **will create** an algorithm that addresses the problem of local positioning while...

In this project, we **will achieve** the following goals: X, Y and Z. To achieve the first goal, we **will review** the literature on algorithm design and.... The technical challenges involved in reaching this first goal are...

# Chapter-2 (Literature Review)

## Purpose of Literature Review:

- To provide facts/ideas from reliable source (source with authors like conference papers or journals)
- To write only the relevant information of your project
  - Related Theories
  - Previous Works
  - Alternate (Other) Techniques/Methods or algorithms
- *Please don't forget to cite others work properly*

*Read More and More  
related articles*

# Qualities of a good proposal

- Informative title
- Self-sufficient and convincing abstract
- Clear Introduction with lucid research questions
- Relevant previous work
- Appropriate measurement and intervention methods
- Well-defined assessment parameters

# Qualities of a good proposal

- Sound analysis plan
- Nicely written conclusion
- Helpful headings and subheadings
- Good schematic diagrams and tables

Commonly Used Tool

Thank You

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