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UNIVERSITI MALAYSIA PAHANG





LITERATURE REVIEW LIU YAO



LITERATURE REVIEW

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PREFACE

The rebranding of 8 modules has been approved by the UMP Senate in February 2016. The 8 modules comprise:

- i. Philosophy of Science and Ethics in Research
- ii. Research Overview
- iii. Literature Review
- iv. Methodology
- v. Data Collection and Analysis
- vi. Scientific Writing
- vii. Preparation for viva-voce
- viii. Conceptual Paper

8 modules are one of the Institute of Postgraduate Studies (IPS) initiatives in helping students to understand ways and means to carry out research at Master's and PhD level. There are 2 sets of 8 modules provided by IPS in accordance with the technology and engineering cluster. These 8 modules are intended to help students in conducting systematic research owing to its utmost importance in determining the effectiveness and efficiency of the research process. The 8 modules shall help students to understand the research problem and identify the areas of research. The modules also assist students on how to write a literature review in order to understand how other researchers approach, define or manage the problem to keep the research pertinent to what is current in the field. In addition, 8 modules also facilitate students to understand the methods of collecting data in an organized and controlled way to achieve valid results, analyze the data according to the considered problem and make conclusions. Therefore, IPS hopes that these modules will be able to provide some insights and benefit students in conducting research at Master's and PhD level.

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MODULE DESCRIPTION

This module presents a step-by-step guidance for conducting a literature review for postgraduate research at both Master's and PhD's level. After introducing what literature review is, it starts from selecting a review concept, searching literature, analyzing/synthesizing literature, to writing a literature review as well as listing references. The module ends with evaluating good literature review and some ethical issues.

MODULE OUTCOMES

After learning this module, it is hoped that the postgraduate students could be able to:

- 1. Understand the importance and functions of literature review through the whole postgraduate research;
- 2. Apply the recommended steps to conduct literature review systematically, critically and efficiently;
- 3. Construct a sufficient literature review to well support the whole postgraduate research.

MODULE SUBTOPICS

- ✓ Topic 1 Overview of Literature Review
- ✓ Topic 2 Step 1: Selecting a Review Concept
- ✓ Topic 3 Step 2: Searching Literature
- ✓ Topic 4 Step 3: Analyzing / Synthesizing Literature
- ✓ Topic 5 Step 4: Writing a Literature Review
- ✓ Topic 6 Step 5: Listing Reference
- ✓ Topic 7 Evaluation of Literature Review
- ✓ Conclusion
- ✓ Appendix
- ✓ References