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HASNAH HARON

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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.

INSTITUTE OF POSTGRADUATE STUDIES
UNIVERSITI MALAYSIA PAHANG

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MODULE DESCRIPTION

This module focuses on what is meant by a conceptual paper and attempts to explain and illustrate the components of a conceptual paper. Components include problem statement, literature review, theory, theoretical framework and hypotheses development. The module concludes with an illustration of what a conceptual paper is.

MODULE OUTCOMES

At the end of this module, user should be able to:

1. Formulate a problem statement
2. Identify the research gap
3. Summarize the relevant literature in the subject area
4. Demonstrate ability to prepare a literature review matrix
5. Demonstrate ability to prepare a conceptual paper

MODULE SUBTOPICS

- ✓ Topic 1: Problem Statement
- ✓ Topic 2: Literature Review
- ✓ Topic 3: Theoretical Framework/ Conceptual Framework, Literature Review And Theory
- ✓ Topic 4: Hypothesis Development
- ✓ Topic 5: Conceptual Paper
- ✓ Conclusion
- ✓ References And Further Readings