

## PROF. DATIN DR. MIMI SAKINAH BINTI HJ ABD MUNAIM

Prof. Datin Dr. Mimi Sakinah Hj Abd Munaim held a lectureship at Faculty of Engineering Technology, Universiti Malaysia Pahang (UMP), researching for enzymatic membrane bio reactor and bio separation technologies. She was educated in Malaysia and had previously working as a production engineer in one of the renowned Japanese company in 1999. She holds several patent files such as

Submex, FOS EMR, CDs Emr and biomordant and currently she is leading a research team in investigating the possibilities of producing specialty natural sugar production such as fructo oligosaccharides, sugar alcohol and cyclodextrins from the natural plant resources. She also holds several US Patent filling applications such as a method and system for processing sucrosecontaining materials (No: 12/769,608) and an apparatus and method for production of natural dye (No: 12/765,078). Dr. Mimi's expertise has been recognised with Best Women Inventor award from World Intellectual Property Organisation (2010, Malaysia) and Best Invention Award from World Invention Intellectual Property Association (2011, Croatia) for her novel research products and publications. She was a recipient of a British Special Award Grand Final Double Gold Industrial 2010 and a Gold medal winner at British Innovation & Technology Show (BIS) London UK. She is a Gold winner at Innovation Technology Expo, Kuala Lumpur Malaysia 2010, a Gold medallist in the International Exhibition of Ideas-Inventions-Novelties (IENA, 2008) in Nuremberg, Germany, a Cendekia Bitara recipient of 2009, has been awarded the Tokoh Cendekia Bitara for the year of 2011 and Excellent Teaching (Engineering Category) for the year 2012 by Universiti Malaysia Pahang. Currently she is editor, peer reviewer of several international journals, a life member of the Board of Engineer Malaysia (BEM), member of Institution of Engineers, Malaysia (IEM) and member of European Desalination Society (EDS).

## INSTITUTE OF POSTGRADUATE STUDIES UNIVERSITI MALAYSIA PAHANG

Lebuhraya Tun Razak, 26300 Gambang, Kuantan, Pahang, Malaysia. Tel: +609-549 3197/3198/3199

Fax: +609-549 3190 Email: ips@ump.edu my Website: ips.ump.edu.my





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# CONCEPTUAL PAPER PRESENTATION (ENGINEERING)

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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 abstract, introduction, problem statement and literature review.

## **MODULE OUTCOMES**

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

- 1. Demonstrate ability to prepare a conceptual paper
- 2. Formulate a problem statement
- 3. Identify the research gap
- 4. Demonstrate ability to prepare a literature review matrix

## **MODULE OUTLINES**

- ❖ TOPIC 1 ABSTRACT
- **❖** TOPIC 2 RESEARCH BACKGROUND
- **❖** TOPIC 3 PROBLEM STATEMENT
- ❖ TOPIC 4 LITERATURE REVIEW
- ❖ TOPIC 5 CONCEPT PAPER
- **❖** CONCLUSION