

ENGINEERING MATHEMATICS II



SECOND EDITION



# ENGINEERING MATHEMATICS II

For Polytechnics  
Second Edition

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# **ENGINEERING MATHEMATICS 2**

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## **PREFACE**

Assalamualaikum & Peace be Upon You,

In the name of Allah, the Almighty who give us the truth, the knowledge, the enlightenment and with regards to Prophet Muhammad S.A.W. May Allah give us the ability to continue our good deeds in this field.

Alhamdulillah, finally the module Engineering Mathematics 2 For Polytechnics published successfully. This module is developed based on the latest Engineering Mathematics 2, Polytechnic Course Syllabus and is written by the lecturers from the Mathematics, Science and Computer Department, Polytechnic Port Dickson. The contents of this module covered all the Engineering Mathematics 2 course syllabus of polytechnic.

This workbook is a useful learning material for students who has never learns additional mathematics in secondary school and as a source of reference for newly trained lecturers in this field.

We would like to thank the lecturers involved for their contributions and all the efforts given in producing a great module that we can be proud of. Thanks a lot! In addition, we would like to acknowledge our Head of Mathematics, Science and Computer Department and all the reviewers who are senior lecturers in Mathematics, Science and Computer Department, who has been continuously giving us supports and suggestions in accomplished this project.

We hope this attempt will be a continuous process towards achieving our vision to become an excellent academic center. Any comments and suggestion from students or other readers is welcome to make sure this module can be improved for the further edition. Thank you so much.

**Chapter 1 - Exponents & Logarithms**      **Zahril Harun, Mohd Niza Abdul Gani**

**Chapter 2 - Differentiation**                      **Azeliana Embong, Junaliza Ishak**

**Chapter 3 - Integration**                              **Syafarizan Nasroddin, Suhana Ramli**

*Azeliana Embong*  
*Editor*

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