

MIIEx2017

Melaka
International
Intellectual
Exposition

PROGRAMME ABSTRACT

AUTISM

INNOVATION

DESIGN

INVENTION

"Bridging Gaps with Creativity for Future Sustainability"

MIIEx2017

The logo for MIIEx2017 features the text 'MIIEx2017' in a bold, black, sans-serif font. The 'I' in 'MII' is stylized as a torch. The '2017' is also stylized, with the '0' and '1' containing silhouettes of buildings. The '7' is a simple vertical bar.

"Bridging the Gaps with Creativity for Future Sustainability"

EDITORS AND COMPILERS:

Prof. Madya Dr. Shafinar Binti Ismail
Mohd Halim Bin Mahphoth
Aemillyawaty Binti Abas
Fazlina Mohd Radzi
Aidah Alias
Ilinadia Jamil
Nor Yus Shahirah Hassan
Shafirah Shaari
Farihan Azahari

COVER DESIGN:

AFTI Sdn Bhd

PUBLISHED BY:

Division of Research and Industry Linkages
Universiti Teknologi MARA MELAKA
KM26 Jalan Lendu,
78000 Alor Gajah Melaka
Tel +606-5582094/ +606-5582190 / +606-5582113
Web: www.miiex2017.com

All rights reserved. No part of this publication may be reproduced, stored in retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without permission of the copyright holder.

INTERACTIVE DERIVATIVE GAMES

Izni Syamsina binti Saari, Ainon Syazana Ab Hamid, Samsiah Abdul Razak,
& Aslina Omar

UNIVERSITI TEKNOLOGI MARA MELAKA

Abstract

Currently, the failure rate in mathematics courses is high among university students and several studies have been done in order to identify the causes of the high failure rate in this subject. According to the lecturers' feedback, students are basically weak in a basic foundation of mathematics and do not really understand the basic concept of differentiation. Aside from that, the problem can be seen among students are; the difficulty in identifying the type of function in differentiation and difficulty in identifying suitable method to solve a particular problem. There are three methods included in differentiation; the chain rule, product rule and quotient rule. This study aims to introduce the interactive application games that can help students to improve their skills in differentiation and more understanding about the concept of differentiation. It only focuses on basic function of composite function, product of two function and rational function. By using this application, it can help students to recognize the types of function and at the same times the rules of differentiation that can be used before they solve the problem.

THE LEGAL PROVISIONS RELATING TO LOCAL GOVERNMENT IN MALAYSIA

Noor Amira Syazwani Binti Abd Rahman, Mohd Rozaimy Bin Ridzuan,
Ramha Rozaili Bt Ramli,

UITM CAWANGAN PAHANG KAMPUS RAUB

Abstract

This project is created to provide an interactive and comprehensive teaching material for topic "The Legal Provisions Relating to Local Government". This initiative will give more understanding about the Local government act. This is under one of the chapters for subject Local Government Administration (PAD320) for Faculty of Administrative Science and Policy Studies (FSPPP). This project will focus on the important of legal provisions applied by local authorities, especially for local authorities in Malaysia. Based on the previous semester, it is indicated that students did not prefer to answer these questions in their final exam because it is too complicated. Hence, this initiative was taken in order to make sure that the students will understand better for this topic. Besides that, this also will give the advantages for the local councilor and local authorities throughout Malaysia. This initiative will include visual image, video, interactive games to provide a better and clearer understanding about the topic. Hence, the interactive online learning is built using the open learning website to accomplish the objective of this project. The successful of the project will improve the teaching methods to become more interesting. Besides, it may benefit all students, especially Diploma in Public Administration's students who are taking Local Government subject.