



**1<sup>st</sup> ONLINE TEACHING**  
**ENHANCEMENT AND LEARNING**  
**INNOVATION CARNIVAL (eTeLIC)**  
**BOOK SERIES**

**EMBRACING NEW NORMS**  
**WITH ASYNCHRONOUS**  
**ONLINE LEARNING**





**1<sup>st</sup> ONLINE TEACHING**  
**ENHANCEMENT AND LEARNING**  
**INNOVATION CARNIVAL (eTeLIC)**  
**BOOK SERIES**

# **EMBRACING NEW NORMS WITH ASYNCHRONOUS ONLINE LEARNING**

Editors:

WAN AB AZIZ WAN DAUD  
MOHAMAD NAJMI MASRI  
AHMAD ZAKI AMIRUDDIN

**Copyright UMK PRESS, 2021**

All rights reserved. No part of this publication may be reproduced, stored in production transmitted in any form, whether electronic, mechanical, photocopying, recording or otherwise, without having permission from the UMK Press.

Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Online Teaching Enhancement And Learning Innovation Carnival (1st : 2021 : Online)

1st ONLINE TEACHING ENHANCEMENT AND LEARNING INNOVATION  
CARNIVAL (eTeLIC) BOOK SERIES : EMBRACING NEW NORMS WITH  
ASYNCHRONOUS ONLINE LEARNING / Editors: WAN AD AZIZ WAN DAUD,  
MOHAMAD NAJMI MASRI, AHMAD ZAKI AMIRUDDIN.

ISBN 978-967-2912-76-7

1. Educational innovations--Malaysia.
2. Web-based instruction--Malaysia.
3. Educational technology--Malaysia.
4. Government publications--Malaysia.

I. Wan Ab Aziz Wan Daud, 1989-. II. Mohamad Najmi Masri, 1984-. III- Ahmad Zaki  
Amiruddin, 1984-. IV. Title.

370.9595

Executive Producer: Azman Hashim. Copy Editor: Amirul Firdaus Zilah, Raihana  
Sulaiman. Acquisition Editor: Siti Asma Mohd Rozid. Art Director: Yusroyka Karim.  
Designer: Fatimah Ilias. Technical Assistant: Mohd Suhairi Mohamad.

Published by:

UMK Press

Universiti Malaysia Kelantan

Office of Library and Knowledge Management

16300 Bachok, Kelantan

(Member of Malaysian Scholarly Publishing Council (MAPIM))

(Member of Malaysian Book Publishers Association (MABOPA))

Membership Number : 201903)

Printed by:

Reka Cetak Sdn Bhd

No 12 & 14, Jalan Jemuju Empat 16/13D,

Seksyen 16, 40200 Shah Alam,

Selangor

# TABLE OF CONTENT

List of Contributors	ix
List of Figures	xv
List of Tables	xvii
List of Abbreviation	xix
Preface	xxi
Acknowledgement	xxiii
<b>Chapter 1: INTRODUCTION</b>	<b>1</b>
<i>Wan Ab Aziz Wan Daud, Mohamad Najmi Masri, Ahmad Zaki Amiruddin, and Alia Nadhirah Mohd Kamal</i>	
<b>Chapter 2: PARADIGM SHIFT TOWARDS CULTIVATING ASYNCHRONOUS ONLINE LEARNING</b>	<b>11</b>
<i>Tan Wai Hong</i>	
<b>Chapter 3: HERE APPROACH FOR INSTRUCTIONAL STRATEGIES IN ASYNCHRONOUS GIS LAB-BASED TEACHING AND LEARNING</b>	<b>17</b>
<i>Farah Zaini and Adibah Yusuf</i>	
<b>Chapter 4: MANAGING ASYNCHRONOUS LEARNING USING E-LEARNING LESSON ACTIVITY IN ELECTRONIC SYSTEM COURSE: EXPLORATION OF STUDENT PERCEPTION</b>	<b>23</b>
<i>Zaharah Johari, Mastura Shafinaz Zainal Abidin, Noraini Ibrahim, Mohd Fairus Mohd Yusoff, and Fatin Aliah Phang</i>	
<b>Chapter 5: MOBILE INTERACTIVE EDUCATION: “MODULE 1.0 (FIBER OPTIC COMMUNICATION SYSTEM) ON INTERNAL AND EXTERNAL FIBER OPTIC INSTALLATION”</b>	<b>31</b>
<i>Erni Alina Hanim Abd Aziz</i>	

<b>Chapter 6: THE USE OF PADLET AS A COLLABORATIVE TOOL IN THE TEACHING AND LEARNING OF ENGLISH COURSES AT POLITEKNIK UNGKU OMAR</b> <i>Rashidah Radzi Rasalingam and Zulaikha Zulkflee</i>	35
<b>Chapter 7: NEARPOD: VIRTUAL ENGAGING CLASSROOM FOR TOURISM STUDENTS</b> <i>Nurzehan Abu Bakar, Marlisa Abdul Rahim, Nor Maizana Mat Nawi, Siti Salina Saidin, and Suchi Hassan</i>	43
<b>Chapter 8: TRANSFORMING ‘CHALK AND TALK’ TEACHING AND LEARNING FOR AN UNDERGRADUATE MATHEMATICS COURSE DURING COVID-19 OUTBREAK</b> <i>Sarah Samson Juan, Hamimah Ujir, Wei King Tiong, Nuha Loling Othman, Shapi-ee Abdul Rahman, and Phang Piau</i>	51
<b>Chapter 9: eLEAP MAP GAMIFICATION</b> <i>Ahmad Alif Kamal</i>	61
<b>Chapter 10: USING RECORDED/SYNTHETIC AUDIOS IN THE ASSOCIATION OF GRAPHEME-PHONEME ACTIVITIES ON LEARNINGAPPS.ORG</b> <i>Muhammad Usamah Mohd Ridzuan, Nur Syamimi Alwani Yushalani, Nazurah Izzati Haji Yazid, and Fazeera Jaafar</i>	69
<b>Chapter 11: I-SIMULATION IN ENTREPRENEURSHIP EDUCATION: E-BUSINESS PLAN</b> <i>Noor Raihani Zainol, Sathishwaran A/L Uthamaputhran, Anis Amira Ab. Rahman, Azila Jaini, Nur Ain Ayunni Sabri, Fatihah Mohd, and Nurul Izyan Mat Daud</i>	75
<b>Chapter 12: 1 MINUTE VIDEO LECTURE (1MVL)</b> <i>Ahmad Syakir Junoh @ Ismail, Wan Khairy Wan Ibrahim, and Nur Sofiya Ilyana Mohamad Zamzuri</i>	81
<b>Chapter 13: AUGMENTED REALITY (AR) THROUGH ONLINE LEARNING: BUILDING WORKS MEASUREMENT FOR THE ELEMENT FF PAD FOUNDATION</b> <i>Norazmi Fadilah, Nurul Aqilah Ibrahim, and Samlisman A/L Choi Weng</i>	85

<b>Chapter 14: PROBABILITY MADE EASY (PME)</b> <i>Hamidah Abd. Latiff, Zuraini Zainal Abidin, and Siti Najdah Mohd Nor</i>	89
<b>Chapter 15: IQ HUNTER</b> <i>Nurul Izzati Mohd Zaki, Norafza Akma Shamsudin, and Choong Siew Lay</i>	95
<b>Chapter 16: AUGMENTED REALITY AND ANIMATION TRANSFORMATION IN FUNDAMENTAL OF ENTREPRENEURSHIP FOR TEACHING AND LEARNING</b> <i>Mohd Ikhwan Aziz, Hasannuddiin Hassan, Mohd Fathi Abu Yaziz, Sathiswaran Uthamaputhran, and Rooshihan Merican Abdul Rahim Merican</i>	103
<b>Chapter 17: DESIGN AND DEVELOPMENT OF EMUFRADAT THROUGH ADDIE INSTRUCTIONAL DESIGN APPROACH: THE EDUCATIONAL DIGITAL GAME IN LEARNING ARABIC VOCABULARY</b> <i>Mohammad Taufiq Abdul Ghani, Mahizer Hamzah, Wan Ab Aziz Wan Daud, Taj Rijal Muhamad Romli and Saipolbarin Ramli</i>	107
<b>Chapter 18: USING APPY PIE PLATFORM IN DEVELOPING MOBILE APPLICATION TO TEACH ENGLISH COURSES FOR UNDERGRADUATE STUDENTS IN MALAYSIA</b> <i>Nazatul Syima Mohd Nasir and Khairul Hisyam Baharuddin</i>	117
<b>Chapter 19: <math>\mu</math>C PreLab APPS FOR NON FACE TO FACE GUIDED LEARNING: A PROPOSAL FOR EMBEDDED SYSTEM APPLICATION COURSE</b> <i>Mimi Suhana Abd Aziz</i>	125
<b>Chapter 20: INTEGRATION OF WEB 2.0 IN DEVELOPMENT AND MANAGEMENT OF NEW ENTERPRISE</b> <i>Yusrinadini Zahirah Md. Isa@Yusuff, Hazrina Hasbolah, Nurul Azwa Mohamed Khadri, and Syamsuriana Sidek</i>	133

<b>Chapter 21: FROM BLENDED LEARNING TO ONLINE LEARNING: A JAVA PROGRAMMING COURSE CASE STUDY</b>	<b>139</b>
<i>Amelia Jati Robert Jupit and Tan Ping Ping</i>	
<b>Chapter 22: e-PBM PI-POLI: IMMERSIVE LEARNING IN ISLAMIC STUDIES COURSES AT POLYTECHNICS</b>	<b>147</b>
<i>Ahmad Fkrudin Mohamed Yusoff, Azmil Hashim, Wan Norina Wan Hamat, and Norhisham Muhamad</i>	
<b>Chapter 23: CONCLUSION</b>	<b>159</b>
<i>Mohamad Najmi Masri, Wan Ab Aziz Wan Daud, and Ahmad Zaki Amiruddin</i>	
Index	165
Editors' Biographies	169