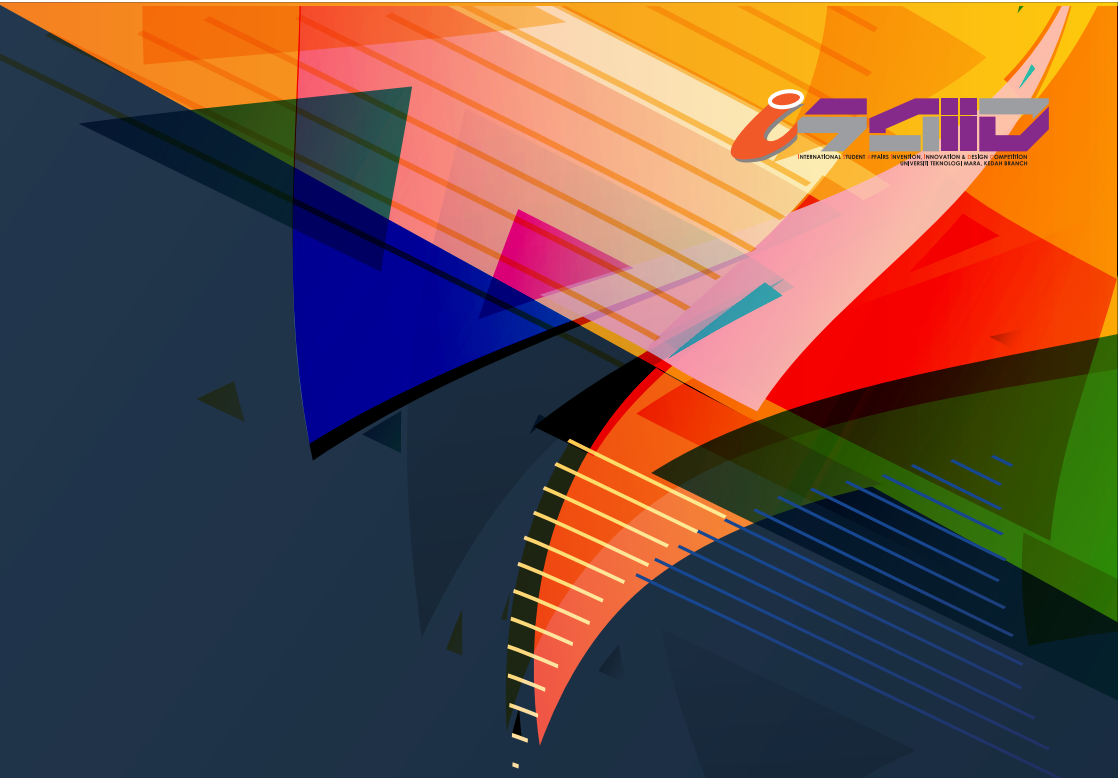

2019

ACADEMIC INTELLECTUAL
INTERNATIONAL INVENTION, INNOVATION & DESIGN BOOK

Published by : Student Affairs Department,
Universiti Teknologi MARA Kedah,
P.O. Box 187, 08400 Merbok, Kedah, Malaysia.

Patron : Dr. Wan Irham Ishak
Dr. Abd Latif Abdul Rahman

Project Manager : Yazwani Mohd Yazid

Design Director : Mohd Hamidi Adha Mohd Amin
Fadila Mohd Yusof

Editorial Director : Mohd Hamidi Adha Mohd Amin
Mas Aida Abd Rahim

Copyright © 2019 Student Affairs Department, Universiti Teknologi MARA Kedah.
No part of this publication may be reproduced, stored in retrieval system, or transmitted in any form or by means, electronic, mechanical, photocopying, recording, or otherwise, without the prior permission of the publisher.

ISBN : 978-967-0314-71-6

Printed by : Perpustakaan Sultan Badlishah,
Universiti Teknologi MARA Kedah,
P.O Box 187, 08400 Merbok, Kedah, Malaysia.

55.	LinProT: AN INNOVATIVE COURSEWARE WITH INTEGRATION OF AUGMENTED REALITY FOR OPTIMIZATION METHODS	57
56.	HEALTHNAV@INFO: A PERSONAL MOBILE MAPPING HEALTHCARE SYSTEM FOR COMMUNITY ACCESSIBILITY SERVICES	58
57.	MyDISEASE@MAPPER: A FREE AND OPEN SOURCE PLATFORM FOR GEOSPATIAL DISEASE EPIDEMIOLOGY IN MALAYSIA	59
58.	THE DEVELOPMENT OF INTERACTIVE LEARNING METHODS THROUGH AUGMENTED REALITY IN ENGINEERING DRAWING	60
59.	HEALTHY LIFESTYLE WITH DIABETEA	61
60.	EDUCATIONAL ANDROID SIMULATOR OF RES-CIRCUIT QUIZ BOARD	62
61.	BELOVED TRACKER SYSTEM	63
62.	GAS LOAD MONITORING SYSTEM BASED ON IOT TECHNOLOGY	64
63.	MONOENGLISH	65
64.	HOMETUTORINK: A MOBILE APPLICATION FOR HOME-TUTORING SERVICES IN MALAYSIA	66
65.	UTILIZATION OF BEESWAX TRIGONA Sp. AS A BIOSOLAR ADDITION TO INCREASE SUPPLY OF RAW BIODIESEL FRIENDLY IN THE FUTURE	67
66.	ECO BIO-SPRAYER	68
67.	BELIMBING TUNJUK, A CHEMISTRY AND COOL IN JAR: NUTRITIOUS AND SATISFYING LOCAL FRUIT	69
68.	ECOSEGAR BIO-STRAW	70
69.	3 IN 1 BABY CUTIE DISPENSER (BCD)	71
70.	MOBILE ADJUSTABLE ROSTRUM	72
71.	FUN-EDU	73
72.	SMART CHAIR	74
73.	RAK PUSTAKA MINI	75
74.	EZHCHECKUP	76
75.	PHARMACY QR CODE	77
76.	EDU-BAR RULER	78
77.	ACCOUNTANTALIZING	79
78.	EZ-STOPPER	80
79.	FLAWASH	81
80.	IMPLEMENTING THE BOUTIQUE OF CHARITIES IN IMPROVING THE DISCIPLINE AND BASIC NEEDS OF STUDENTS AT PERAK MATRICULATION COLLEGE	82
81.	@LUNA: EFFECT OF MOON PHASE	83
82.	ORGANIC FERTILIZER	84
83.	MECHATRONIC SMART TRAINING KIT	85
84.	GREELA: GREEN PULSED ELECTRIC FIELD-ASISSTED EXTRACTION OF SPIRULINNA SP. CAROTENOID FOR ENRICHED-OLIVE OIL TO ACHIEVE SUSTAINABLE HIGH VITAMIN A OIL AVAILABILITY	86
85.	REVISITING THE INDIGENOUS FOLKLORES: AN EDUTAINMENT PROJECT	87
86.	SUSTAINABLE TABLE POT 1.0	88
87.	MAHIR JAWI (MAJA)	89
88.	CODETOPROTECT	90

INNOVATION
CATEGORY

EZHCHECKUP

Noreha Che Sidik[1], Shamsul Jamel Elias[1], Nurul Atikah Jaafar[1] and Hafiqa Eliya Haliza[1]

[1]*Unit Kesihatan, UiTM Cawangan Kedah, Malaysia*

drnoreha@kedah.uitm.edu.my

EZHCheckup is an online student health medical checkup system to provide an easy platform for the registered students to send their completed medical checkup document online to Unit Kesihatan. The medical checkup can be done at any government or private clinics or hospitals by using the form provided in the application letter. This system provides mobility features for the students to access the system anywhere, anytime without manually sending them to Unit Kesihatan. The system allow the staffs to analyze the compilation of student medical forms easily and eventually can generate the report about the student's health information such as anthropometric data, classification of diseases (ICD 10) based on their gender and courses. These information provide us to plan proactive healthy life style programs accordingly to give proactive solutions to students so they can manage their healthcare proficiently. This system is cost effective in terms of time, manpower and material usage as it was operated online. Moreover, it has the ability to trace the completeness submission of medical checkup for each registered students. It is a user friendly and efficient system compared to previous time-consuming manual system and can be commercialized to other agencies such as IPTA/IPTS, and any organizations or companies whom dealing with medical checkup for their employees.

ISBN 978-967-0314-71-6