



# *Postdoctoral Researcher*

*Appointment Date:*

*2 July 2018 - 3 July 2021*

*Dr. Che Ku Nuraini Binti Che Ku Mohd*

*RG: Pervasive Computing & Educational Technology (PET)*

*Center For Research and Innovation Management (CRIM)*

*Universiti Teknikal Malaysia Melaka*

*Hang Tuah Jaya, 76100 Durian Tunggal, Melaka, Malaysia*

*[cknuraini@utem.edu.my](mailto:cknuraini@utem.edu.my)*

*[cknuraini@gmail.com](mailto:cknuraini@gmail.com)*

*<https://cknuraini.weebly.com>*

# Research Profile

## Qualification

2016 | Doctor of Philosophy

2011 | Master of Science in Information & Communication Technology

2009 | Bachelor of Computer Science (Interactive Media) with Honours



Che Ku Nuraini C.K.M

FOLLOW

Center For Research and Innovation Management  
Verified email at utem.edu.my - [Homepage](#)

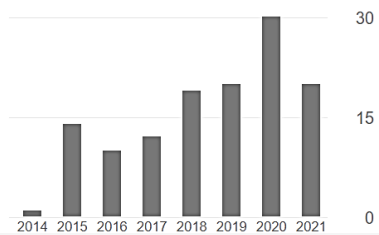
E-Learning Problem Based Learning Personalized Learning Assistive Technology for Sp...

Cited by

VIEW ALL

	All	Since 2016
Citations	132	111
h-index	6	5
i10-index	3	2

TITLE	CITED BY	YEAR
<input type="checkbox"/> Advanced Computer and Communication Engineering Technology: Proceedings of ICOCOE 2015 HA Sulaiman, MA Othman, MFI Othman, Y Abd Rahim, NC Pee Springer	26	2015
<input type="checkbox"/> Personalized learning environment: alpha testing, beta testing & user acceptance test CKNCK Mohd, F Shahbodin Procedia-Social and Behavioral Sciences 195. 837-843	23	2015



**Teaching Subject:** Multimedia System; Human Computer Interaction; Multimedia Authoring; Multimedia Design; Multimedia Project Management; Instructional Media; 2D Computer Animation; Interactive Media And Design

**Research Interest:** E-Learning; Multimedia Technology & Application; Problem Based Learning; Personalized Learning; Assistive Technolog for Special Needs

## Research Link:

Google Scholar: <https://scholar.google.com/citations?hl=en&user=EFwYkUUAAAAJ>

SCOPUS:

<https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=35759291800&zone=>

ResearchGate: <https://www.researchgate.net/profile/Che-Ku-Nuraini-Ckm>

Orcid: <https://orcid.org/0000-0001-9823-5315>

Publon: <https://publons.com/researcher/4276266/che-ku-nuraini-che-ku-mohd/>

# Research Title

Enhancement Autism Spectrum  
Disorders Using Serious Game  
Techniques For SEAMEO SEN

SV: Prof. Ts. Dr. Faaizah Shahbodin

faaizah@utem.edu.my

JADUAL PETUNJUK PRESTASI

Elaun (RM)	4,000 – 5,000			3,000 – 3,999		
Tahun/Perkara	1	2	3	1	2	3
Geran Penyelidikan yang diterima (RM)	20,000	50,000	30,000	Kertas Kerja Penyelidikan	30,000	30,000
		atau 2 geran luar UTeM			atau 2 geran luar UTeM	
Penerbitan Jurnal	4	4	4	2	2	2
Penyeliaan Pelajar	2 MSc			1 MSc		
Aktiviti jaringan/kerjasama penyelidikan	1 (dalam negara)		1 (dalam negara)	1 (dalam negara / luar negara)		

## Job Scope:

- Conduct full-time research based in CoE.
- Producing 4 impact journal publication. All publication results should be entered into the name of Universiti Teknikal Malaysia Melaka.
- Submit a progress report to CoE Chiefs every 6 months.
- Submit final research report certified by CoE Head and certified by CRIM Director.
- Help develop networking / research network with industry, grants, domestic and foreign universities.
- Research results are the absolute right of Universiti Teknikal Malaysia Melaka.

# Postdoctoral Summary

4 main KPI counted:

- ✓ GRANTS
- ✓ JOURNALS
- ✓ SUPERVISION
- ✓ NETWORKING

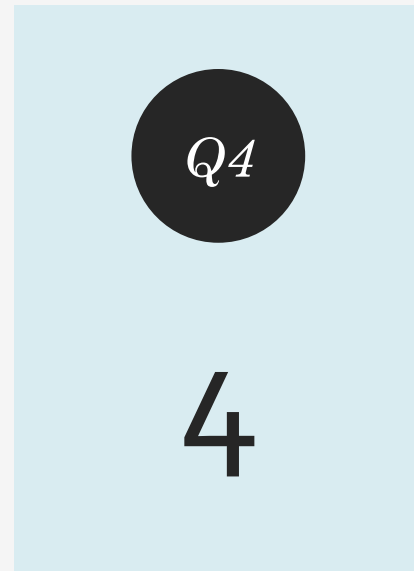
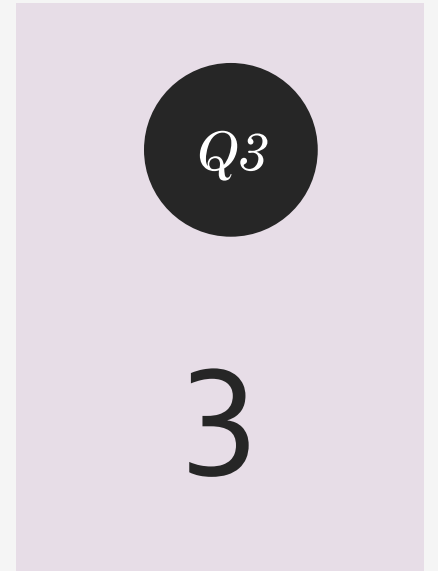
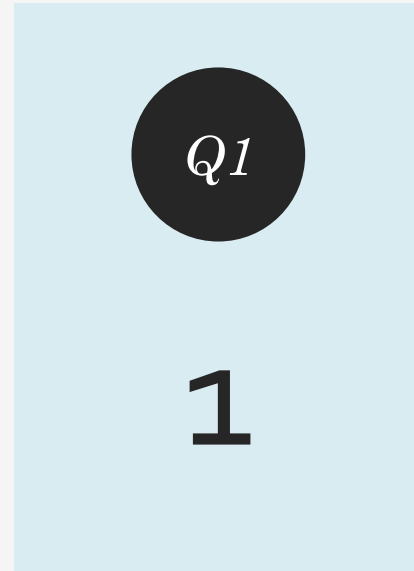
<b>Journal Publications</b>	Total: 20 [Main Author: 12, CoAuthor:8] Q1:1, Q2: 2, Q3: 3, Q4: 4, ISI: 1, Scopus: 9
<b>Proceedings</b>	11
<b>Book</b>	2 [Book Chapter:1, Monograph:1]
<b>Awards</b>	10 [Gold:4, Silver:2, Others: 4]
<b>Grants</b>	<ol style="list-style-type: none"><li>1. <b>ONGOING</b> FRGS: FRGS/1/2020/SSo/UTEM/02/1 [MEMBER]</li><li>2. <b>ONGOING</b> FRGS: FRGS/1/2020/TKo/UTEM/02/60 [Member]</li><li>3. <b>ONGOING</b> International: 1 [Universiti Pendidikan Indonesia, Member]</li><li>4. <b>ONGOING</b> International: 1 [Universiti Sebelas Maret, Member]</li><li>5. <b>COMPLETED</b> Matching Industry: 1 MRSM, 115K, Member</li><li>6. <b>COMPLETED</b> Geran PJP: RM7K, Leader</li><li>7. <b>COMPLETED</b> Geran PJP :RM 6K, Member</li></ol>
<b>Commerlization</b>	AutiKits
<b>MoA</b>	SEAMEO SEN, MRSM, Integrasi Pintar Sdn. Bhd.
<b>Networking</b>	KPM,SEAMEO SEN,NASOM, MRSM, Integrasi Pintar Sdn. Bhd.
<b>Supervision</b>	1 PhD Student (Co SV)
<b>Intellectual Property (IP)</b>	Copyright: Autikits LY2020004895, Date: 15.10.2020 Trademark: Autikits TM2020011859,Date: 9.7.2020
<b>Workshop Attended</b>	80+

# *Journal Publications*

Total: **20**

Main Author: **12**

Co Author: **8**



1. **Che Ku Nuraini Che Ku Mohd** & Faaizah Shahbodin (2021). Issues And Challenges From Teachers' Perceptions In Creating Online Learning In The Midst Of Covid-19 Pandemic. *Journal Of Theoretical And Applied Information Technology*. 99(12),pp. 3039-3049. E-ISSN 1817-3195 / ISSN 1992-8645. (Scopus, Q3).
  2. Anthony Anggrawan, **Che Ku Nuraini**, Mayadi Yadi, Christofer Satria (2021). Interplay Between Cognitive Styles And Gender Of Two Hybrid Learning To Learning Achievements. *Journal Of Theoretical And Applied Information Technology*. 99(10), pp. 2404-2413. E-ISSN 1817-3195 / ISSN 1992-8645. (Scopus, Q3)
  3. **Che Ku Nuraini C.K.M**, Faaizah S., Nur Alya Sahira M.K, Munir and Riza L.S. (2020). Implementing Augmented Reality in Learning Bakery for Autism Learner. *International Journal on Emerging Technologies* 11(5): 631-634(2020) (Scopus, Q4)
  4. **Che Ku Nuraini Che Ku Mohd**, Faaizah Shahbodin, Mohd Shamsuri Md Saad, Azmawaty Mohamad Nor, Siti Nurul Mahfuzah Mohamad & Zurina Saaya (2020). Educational Technologies In The Personalised Learning Environment (PLE): A Review. *World Transactions on Engineering and Technology Education*. 18(3),pp 485-490. ISSN: 1446-2257 (Scopus, Q1)
  5. Mohamad, S.N.M, Nor Azmidy I, Imam B. M. K, **Che Ku Nuraini C.K.M** (2020). Designing a Mobile Game Application for Student with Learning Disabilities. *International Journal On Informatics Visualization*. 4(3), pp 155-158. ISSN : 2549-9610.(Scopus)
  6. **Che Ku Nuraini Che Ku Mohd**, Faaizah Shahbodin, Muliati Sedek, Munirah Samsudin (2020). Game Based Learning for Autism in Learning Mathematics. *International Journal of Advanced Science and Technology*. 29(5), (2020), pp. 4684 - 4691, ISSN: 2005-4238. (Scopus, Q3)
  7. **Che Ku Nuraini Che Ku Mohd**, Faaizah Shahbodin, Muliati Sedek, Raz Amira Azhar (2020). Design And Development Of Simulation Game For Fitness Program. *Journal of Critical Reviews*. 7(6), (2020), pp. 822-826, ISSN: ISSN- 2394-5125 (Scopus)
  8. Aliza Che Amran, Gede Pramudya Ananta, Mohd Ariff bin Mat Hanafiah, Adlan Ali, **Che Ku Nuraini Che Ku Mohd** (2020). Development Of The Malaysian Skills Certification For Lecturers In Tertiary TVET Institutions. *Journal of Technical Education and Training*, 12(1), pp. 125-133, 2020. ISSN : 2229-8932, e-ISSN : 2600-7932. (Scopus, Q4).
  9. **Che Ku Nuraini Che Ku Mohd**, Faaizah Shahbodin, Helmi Adly Mohd Noor, Suriawati Suparjoh and Gede Pramudya Ananta. Autism Kits App: Interactive Mobile Game for Visual Impairment among Autism Spectrum Disorder. *International Journal of Psychosocial Rehabilitation*, 24(1), 2020. ISSN: 1475-7192, pp. 582-591. DOI: 10.37200/IJPR/V24I1/PR200164.(Scopus, Q4).
  10. Suriawati Suparjoh, Faaizah Shahbodin, **Che Ku Nuraini Che Ku Mohd** (2020). Technology-Assisted Intervention for Children with Autism Spectrum Disorder using Augmented Reality. *International Journal of Recent Technology and Engineering (IJRTE)*. ISSN: 2277-3878, 8(5), pp. 2156-2162, January 2020. (Scopus).
-

11. **Che Ku Nuraini Che Ku Mohd**, Faaizah Shahbodin, Nadhrah Binti Abdul Hadi, Nor Farah Naquiah Binti Mohamad Daud (2019). Augmented Reality (AR) on Mobile Application for Learning Bahasa Melayu among Primary Students. *International Journal of Advanced Trends in Computer Science and Engineering*. 8(6), pp. 3665-3669, December 2019. ISSN 2278-3091. (Scopus).
12. Samer Ali Al-Shami, Faaizah Shahbodin, Nurulizwa Rashid, Zanariah Jano, **Che Ku Nuraini Che Ku Mohd** (2019). Entrepreneurial Education on Entrepreneurial intention among School Teachers in Malaysia. *Opcion*, 35(20), pp. 2899-2921, ISSN 1012-1587/ISSNe: 2477-9385, 2900-2913. (Scopus, Q3).
13. **Che Ku Nuraini Che Ku Mohd**, Faaizah Shahbodin, Nurulizwa Abdul Rashid, Zanariah Jano, Samer Ali Hussein Al-Shami (2019). Social Entrepreneurship among Students with Disabilities for Special Education Community using Digital Technology. *International Journal of Recent Technology and Engineering (IJRTE)*. ISSN: 2277-3878, 8(4), November 2019, pp. 675-679. (Scopus).
14. **Che Ku Nuraini Che Ku Mohd**, Helmi Adly Mohd Noor, Faaizah Shahbodin, Suriawati Suparjoh, Aliza Che Amran (2019). Early Stage in Identifying Autism Spectrum Disorder (ASD) Through Screening and Diagnosis. *International Journal of Recent Technology and Engineering (IJRTE)* ISSN: 2277-3878, 8(4), November 2019, pp. 660-663. (Scopus)
15. **Che Ku Nuraini C. K. M**, Shahbodin F., Zareena R. and Suriawati S. Early Screening Tool For Autism Spectrum Disorder For Visual Impairments. *ARPN Journal of Engineering and Applied Sciences*. 14(22), November 2019, pp. 3847-3851. ISSN 1819-6608. (Scopus, Q2)
16. **Che Ku Nuraini Che Ku Mohd**, Faaizah Shahbodin, Suriawati Suparjoh, Nur Alya Sahira Muhamad Khidir (2019). Application of Augmented Reality in Learning Bakery for Autism Spectrum Disorder. *International Journal of Engineering and Advanced Technology (IJEAT)* ISSN: 2249 – 8958, 9(1), October 2019, pp. 2610-2620. (Scopus)
17. **Che Ku Nuraini Che Ku Mohd**, Faaizah Shahbodin, Meylinda Maria, Muliati Sedek, Siti Nurul Mahfuzah Mohamad (2019). Integrating an Instructional Design Model in Video Development for Autism Spectrum Disorder. *International Journal of Engineering and Advanced Technology (IJEAT)* ISSN: 2249 – 8958, 9(1), October 2019, pp. 445-448. (Scopus)
18. Shahbodin, F., Maria, M., **Che Ku Mohd, C. K. N.**, & Jaafar, N. A. (2019). Supporting Future Career Of Autistic Learners Via Technology: Design And Development of iBakery Courseware. *Journal of Technical Education and Training*, 11(3), pp. 111-115, 2019. ISSN : 2229-8932, e-ISSN : 2600-7932. (Scopus, Q4)
19. **Che Ku Nuraini Che Ku Mohd**, Faaizah Shahbodin, Helmi Adly Mohd Noor, Gede Pramudya Ananta, Muliati Sedek (2019). Using Interactive Games to Engage Children with Autism on Visual Impairment. *International Journal of Recent Technology and Engineering (IJRTE)*. ISSN: 2277-3878, 8(3), September 2019, pp. 5995-5999. (Scopus)
20. Siti Nurul Mahfuzah Mohamad, Mohd Hakim Abdul Hamid, Linda Khoo Mei Sui, Nur Syafiatun Safwana Sazali, **Che Ku Nuraini Che Ku Mohd** (2019). ~~Adaptive Learning Strategies with Gamification~~ to Enhance Learning Engagement. *Indian Journal of Science and Technology*, 12(31), DOI: 10.17485/ijst/2019/v12i31/146871, August 2019. [ISI]

# *Proceedings*

Total: **11**

1. Aspalilla Main, Abdullah Atiq Arifin & **Che Ku Nuraini Che Ku Mohd** (2020). Covid-19 Pandemic: Are There Any Challenges Faced By Students In Pursuing Online Distance Learning?.The 3rd International Conference on Social Sciences & Humanities 2020 ICOSH3 2020. Indonesia 3(1),ISSBN 978-967-2224-60-0.
2. **Che Ku Nuraini Che Ku Mohd** & Faaizah Shahbodin. The Digital Screening Tool for Autism Spectrum Disorder in Malaysia Environment. Special Education International Conference (SEIC) 2019; 25-27 September 2019; Marriott Hotel, Putrajaya, Malaysia.
3. Zareena Rosli , Faaizah Shahbodin, **Che Ku Nuraini**. Mathematics Word Problem Solving Ability among Children with Autism. Special Education International Conference (SEIC) 2019; 25-27 September 2019; Marriott Hotel, Putrajaya, Malaysia.
4. **Che Ku Nuraini C.K.M** and Faaizah Shahbodin (2019). Digital Autism Screening Innovation: Autism Kits. Proceedings of the International University Carnival on e-Learning 2019, pp 232-234. International University Carnival on E-Learning (IUCEL) 2019 in Universiti Malaysia Sarawak.21-22 August 2019.



5. Suriawati Suparjoh, Faaizah Shahbodin and **Che Ku Nuraini Che Ku Mohd** (2019). The Potential of Augmented Reality to Support the Interest-based Learning for Children with Autism. 3rd International Conference On Special Education (ICSE2019). Shangri La Hotel Surabaya, Surabaya, Indonesia. 13-14 July 2019. Advances in Social Science, Education and Humanities Research, volume 388, pp. 50-56.
  6. Zareena Rosli, Faaizah Shahbodin and **Che Ku Nuraini Che Ku Mohd** (2019). A Literature Review of Mathematics Word Problem Solving Abilities among Children with Autism. 3rd International Conference On Special Education (ICSE2019). Shangri La Hotel Surabaya, Surabaya, Indonesia.13-14 July 2019. Advances in Social Science, Education and Humanities Research, volume 388, pp. 316-321.
  7. **Che Ku Nuraini C.K.M** and Faaizah Shahbodin (2019). Visual Perception Games for Autistic Learners: Design & Development. International e-Learning Carnival & Conference 2018 UTeM (eLCC 2019). – “Tool in Screening Visual Perception Problems: Autism Kits”, pp. 90-92, 26 June 2019.
  8. **Che Ku Nuraini C.K.M**, Faaizah Shahbodin and A H Azni (2019). Visual Perception Games for Autistic Learners: Design & Development. International Conference Proceedings Series by ACM (ISBN: 978-1-4503-6621-2), January 25-27, Jeju Island, South Korea
  9. Faaizah Shahbodin, **Che Ku Nuraini C.K.M** and A H Azni (2019). Visual Perception Games for Autistic Learners: Findings. International Conference Proceedings Series by ACM (ISBN: 978-1-4503-6621-2), January 25-27, Jeju Island, South Korea.
  10. Faaizah Shahbodin, A H Azni , Tasnuva Ali and **Che Ku Nuraini C.K.M** (2019). Systematic Literature Review: Lightweight Encryption Algorithm for mHeath Application. International Conference Proceedings Series by ACM (ISBN: 978-1-4503-6621-2), January 25-27, Jeju Island, South Korea.
  11. **Che Ku Nuraini C.K.M** and Faaizah Shahbodin (2018). A Prototype Development of Personalised Learning Environment for Nutrition Topic for Secondary School. Proceedings of Innovative Teaching and Learning Research Day 2018 (InTRed2018), 6 September 2018.
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# *Conference & Meeting Attended*

Total: 5



Ho Chi Minh,  
Vietnam

27-28 September  
2018

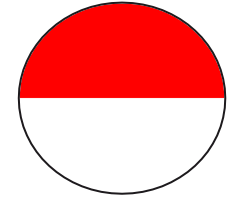
Grand Saigon Hotel



Jeju Island, South  
Korea

25-27 January 2019

Hotel Regent Marine  
The Blue



Surabaya, Indonesia

13-15 July 2019

Shangri La Hotel  
Surabaya



Sarawak, Malaysia

21-22 August 2019

Universiti Malaysia  
Sarawak



Putrajaya, Malaysia

25-27 September  
2019

Marriott Hotel,  
Putrajaya



Ho Chi Minh, Vietnam  
27-28 September 2018  
Grand Saigon Hotel



Jeju Island, South Korea  
25-27 January 2019  
Hotel Regent Marine The Blue



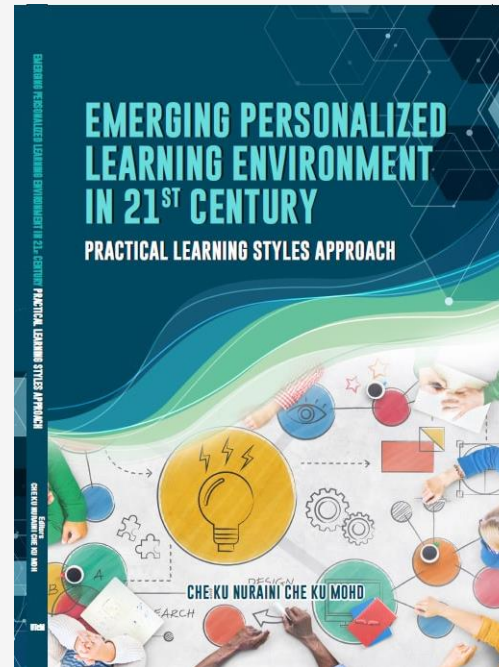
Surabaya, Indonesia  
13-15 July 2019  
Shangri La Hotel Surabaya



# Book

Monograph: **1**

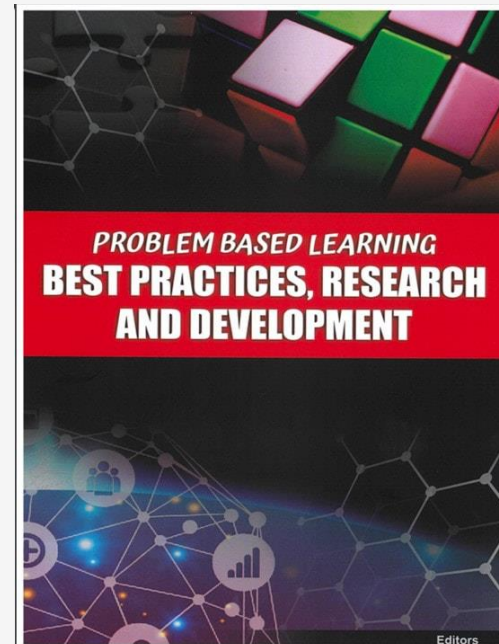
Book Chapter: **1**



## Monograph

**Che Ku Nuraini Che Ku Mohd**

(2020). *Emerging Personalized Learning Environment (PLE) in 21st Century: Practical Learning Styles Approach*. Publisher: UTeM Press.



## Book Chapter

**Che Ku Nuraini Che Ku Mohd & Faaizah Shahbodin**

(2020). *Problem Based Learning Implementation for Human Computer Intercation (HCI) Subject*. First published 2020. ISBN: 978-967-2454-05-2. Publisher: UTeM Press

# Awards and Recognition

Total: **10**

Gold: **4**

Silver: **2**

Best Poster Award: **2**

Others: **2**



- ✓ AINEX 2020
- ✓ PECIPTA 2019
- ✓ IUCEL 2019
- ✓ eLCC 2019



- ✓ SIIF 2019
- ✓ MTE 2019



- ✓ Best Poster Award (InTReD`18)
- ✓ Best Poster Award (IRID`18)



Anugerah Akademik  
Universiti 2018 (AAU)

Anugerah Khas  
Kumpulan



SEAMEO-Jasper  
Research Award  
2018/2019

Organized by The  
Southeast Asian Ministers  
of Education Organization  
(SEAMEO)



**AINEX 2020**  
ASIA INTERNATIONAL INNOVATION EXHIBITION  
18 - 20th SEPTEMBER 2020

# Certificate of Award

THIS CERTIFICATE IS PROUDLY PRESENTED TO  
**PROF. TS. DR. FAAIZAH SHAHBODIN, DR. CHE KU NURAINI CHE KU MOHD**  
 has been awarded  
**Gold Medal**  
 for the Innovation/Invention Project  
**MOBILE APPS: INNOVATION ON VISUAL PERCEPTION DIAGNOSTIC TOOL (AUTIKITS)**  
 For participating in  
**ASIA INTERNATIONAL INNOVATION EXHIBITION**  
 18th - 20th SEPTEMBER 2020

*Dr. Imran Qureshi*  
 Dr. Muhammad Imran Qureshi  
 Founding Director  
 Connecting Asia

*Ts. Dr. Helmi Adly Bin Mohd Noor*  
 Ts. Dr. Helmi Adly Bin Mohd Noor  
 Chairman  
 Asia International Innovation Exhibition

Organized by: ASIA, UTM, UTHM, IHEAPRA, Readers Insight

SEOUL INTERNATIONAL INVENTION FAIR

# Silver Prize

presented to  
**Faizah Shahbodin, Che Ku Nuraini Che Ku Mohd, Helmi Adly Mohd Noor**  
 from  
**MALAYSIA**  
 in recognition of excellent and creative efforts to invent  
**Innovation on Visual Perception Screening Tool for Autistic Detection Autism Kits**  
 exhibited at the  
 Seoul International Invention Fair 2019  
 organized by the  
 Korea Invention Promotion Association  
 in Seoul, KOREA  
 November 27th - November 30th, 2019

*Chang Uro*  
 Koo Chang-uk  
 Chairman  
 Korea Invention Promotion Association

*Kim Joon-ho*  
 Kim Joon-ho  
 President  
 Korea Invention Promotion Association

JPT, UTHM, MAMPU

# Pecipta'19

INTERNATIONAL CONFERENCE AND EXPOSITION ON INVENTIONS BY INSTITUTIONS OF HIGHER LEARNING

This is to certify that  
 Prof. Ts. Dr. Faizah Binti Shahbodin, Dr. Che Ku Nuraini Binti Che Ku Mohd, Dr. Helmi Adly bin Mohd Noor  
 102 on Visual Perception Screening Tool for Autistic Detection

has won  
**Gold Award**  
 at the  
**International Conference and Exposition on Inventions by Institutions of Higher Learning 2019 (PECIPTA'19)**  
 Universiti Tun Hussein Onn Malaysia  
 Batu Pahat Johor,  
 22-23 September 2019

*DATO' DR. MOHD GAZALI BIN ABAS*  
 DATO' DR. MOHD GAZALI BIN ABAS  
 SECRETARY GENERAL  
 MINISTRY OF EDUCATION MALAYSIA

**GOLD AWARD**

MEIPTA, UNIMAS, MYCILL

# IUCEL 2019

INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING  
 Inspiring Innovations for Sustainable Futures

## Gold Award

is presented to  
**Che Ku Nuraini Che Ku Mohd, Faazah Shabodin**  
 in recognition of excellent and innovative efforts for the project entitled  
**Digital Autism Screening Innovation: Autism Kits**  
 at the  
**International University Carnival on E-Learning (IUCEL) 2019**  
 21-22 August 2019  
 Universiti Malaysia Sarawak

*Professor Datuk Dr Mohamad Kadim Suidai*  
 Professor Datuk Dr Mohamad Kadim Suidai  
 Vice Chancellor  
 Universiti Malaysia Sarawak

UTeM

# Sijil Penghargaan

Dengan Irit Diperakikan Bahawa  
**AUTISM SPECIAL INTEREST GROUP**  
 KETUA KUMPULAN: PROFESOR TS. DR. FAAIZAH BINTI SHAHBODIN  
 AHLI KUMPULAN: PROFESOR MADYA DR. JARIAH BINTI MOHAMAD JUJI,  
 PROFESOR MADYA DR. HASLINDA BINTI MUSA, DR. ZANARIAH BINTI JANDI,  
 DR. CHE KU NURAINI BINTI CHE KU MOHD

*Adalah Kenangnya*  
**Anugerah Akademik**  
**Universiti 2018**  
 Bagi Kategori  
**ANUGERAH KHAS KUMPULAN**  
 Pada  
 18 APRIL 2019  
 Berempat Di  
**MELAKA INTERNATIONAL TRADE CENTRE (MITC)**

*Profesor Datuk Dr. Shahrin bin Sahib, FASc*  
 Prof. Datuk Dr. Shahrin bin Sahib, FASc  
 NAIB CANSOLOR  
 UNIVERSITI TEKNIKAL MALAYSIA MELAKA

MARS

# SILVER AWARD

Presented to  
**DR. HELMI ADLY BIN MOHD. NOOR**  
**DR. DAYANA FARZEEHA ALI**  
**PROF. TS. DR. FAAIZAH BINTI SHAHBODIN**  
**DR. CHE KU NURAINI BINTI CHE KU MOHD**  
**DR. SHARIFAH NADIYAH BINTI RAZALI**  
**ZAREENA BINTI ROSLI**

In the category of  
**INVENTION AND INNOVATION 2019**

For the invention of  
**AUTISM KITS: VI-PER GAMES**  
 Held at Putra World Trade Center, Kuala Lumpur on  
 21<sup>st</sup> - 23<sup>rd</sup> of February 2019

*DR. RASIF MOHD ZAIN*  
 DR. RASIF MOHD ZAIN  
 Chairman  
 MTE Award 2019

MALAYSIA TECHNOLOGY EXPO  
 MTE 2019  
 PUTRA WORLD TRADE CENTRE  
 KUALA LUMPUR  
 TRANSFORMASI MELAKA

Co-organized by: MARS, PROTEMP, MAMPU, MACRIM, IPIA, THE UNIVERSITY OF MALAYA

**K-Novasi**  
 5  
 PENGAJARAN & PEMBELAJARAN  
 PENDIDIK 4.0: PEREKA PENGALAMAN PEMBELAJARAN BERMAKNA  
 23-24 JANUARI 2019 | DEWAN CANSOLOR TUN ABUL RAZAH UHM BANGI

# PERAK

*Sijil pencapaian ini dianugerahkan kepada*

**FAAIZAH SHAHBODIN**  
**HELMI ADLY MOHD NOOR**  
**CHE KU NURAINI CHE KU MOHD**  
**ZAREENA ROSLI**

*atas inovasi*

**VISUAL PERCEPTION DIAGNOSTIC TOOLS FOR AUTISTIC LEARNERS (VI-PER GAMES)**

*Prof. Datuk Ts. Dr. Mohd. Merzaki bin Mustafa*  
 Prof. Datuk Ts. Dr. Mohd. Merzaki bin Mustafa  
 Pengerusi MTE 2019  
 Putrajaya, Kuala Lumpur  
 Hal Ehwal Akademik & Penyelidikan, UTM

Southeast Asian Ministers of Education Organization

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**2018/2019 SEAMEO - JASPER Research Award**  
 Theme: Overcoming Barriers to Inclusion  
 Announcement of the Winner

**The Winner: Prof Faizah Binti Shahsudin from Malaysia**  
 The Research Title: Development of Asian Cognitive Level Identification Assessment Kits using Serious Game Technique for SEAMEO SEN

**ANNOUNCEMENT OF WINNER**

The Southeast Asian Ministers of Education Organization (SEAMEO) and the Government of Canada are pleased to announce the winning research for the 2018/2019 SEAMEO-Jasper Research Award with the theme **Overcoming Barriers to Inclusion** which entitled

**"Development of Autism Cognitive Level Identification Assessment Kits using Serious Game Technique for SEAMEO SEN"**

The author of the winning research is **Prof Faizah Binti Shahsudin** from Universiti Teknikal Malaysia Melaka, Malaysia.

The winner of the SEAMEO-Jasper Research Award 2018/2019 will receive the Plaque of Recognition at the Awarding Ceremony of the 50th SEAMEO Council Conference to be held in 2019 in Malaysia. Details are soon to be confirmed.

High appreciation is extended to all researchers who participated in the 2018/2019 SEAMEO-Jasper Research Award.

Appreciation is also extended to the Ministries of Education of Southeast Asian countries, SEAMEO Regional Centres and SEAMEO partners for their assistance in the promotion and information dissemination of the 2018/2019 SEAMEO-Jasper Research Award.

SEAMEO Secretariat extends gratitude to the unceasing support of the Government of Canada for the SEAMEO-Jasper Research Award.

UTeM

# eLCC 2019

INTERNATIONAL e-LEARNING CARNIVAL & CONFERENCE

## Congratulations

This is to certify that  
**CHE KU NURAINI CHE KU MOHD, FAAIZAH SHAHBODIN**  
 have been awarded a  
**GOLD**  
 for the Invention, Innovation & Design on e-Learning of  
**Tools in Screening Visual Perception Problems: Autism Kits**  
 at the  
**2019 INTERNATIONAL e-LEARNING CARNIVAL & CONFERENCE**  
**UNIVERSITI TEKNIKAL MALAYSIA MELAKA**  
 26<sup>th</sup> June 2019  
 Dewan UTeM 1, Kampus Teknologi, Universiti Teknikal Malaysia Melaka

*Prof. Datuk Ts. Dr. Mohd Razali bin Muhamad*  
 Prof. Datuk Ts. Dr. Mohd Razali bin Muhamad  
 Deputy Vice Chancellor  
 (Academic and International)  
 Universiti Teknikal Malaysia Melaka

Organized by: PSTP, MEIPTA, IET

In Collaboration with:











# Grants

Total: 7

International: 1

Matching Industry: 1

FRGS: 2

Short Grant: 2

Fund: 1

NO	RESEARCH	PERIOD	TYPE	AMOUNT	ROLE	STATUS
1	Enhancement Of Autism Kits For Spectrum Disorders Using Visual Screening Tools PJP/2019/CRIM(3D)/So1686	15/03/2019 - 27/07/2020	PJP	RM 7,000	Principal Researcher	COMPLETED
2	Preparing Engineers for Industry 4.0 via a Digital English and Communication Competencies Framework PJP/2019/CRIM(3D)/So1690	15/03/2019 - 28/02/2020	PJP	RM 6,807	Co Researcher	COMPLETED
3	Fund organized by Pusat Pembangunan Keusahawanan dan Kebolehpasaran Graduan (EDGE), UPSI Title: Social Entrepreneur for Special Education Community (SE@SEC): A Case Study.	4/2019 - 3/2020	UPSI	RM 25,000	Co Researcher	COMPLETED
4	Education 4.0: A Framework to Transform Maktab Rendah Sains Mara to Digital Classroom (MTUN)/IPSB/2020/FTMK-CACT/100044	11/2/2020 - 10/8/2021	Matching Grant	RM 110,000	Co Researcher	COMPLETED
5	Integrative model Development of the Eco-Innovation Capabilities towards Malaysian SMEs Halal Food Manufacturers Sustainability FRGS/1/2020/TK0/UTEM/02/60	2/11/2020 - 2/11/2022	FRGS	RM 67,899	Co Researcher	On Going
6	A New Model of Digital Entrepreneurship Towards Businesses Suatanability for Youth with Disabilities FRGS/1/2020/SS0/UTEM/02/1	2/11/2020 - 2/11/2022	FRGS	RM 57,540	Co Researcher	On Going
7	Software Untuk Mendeteksi Level sebagai Media Pembelajaran Siswa Autis: Studi Banding SLB Malaysia dan SLB Indonesia. Universiti Sebelas Maret, Indonesia.	8/11/2020 - 8/11/2022	International Grant	RM 58,000	Co Researcher	On Going

## List Of Research

No.	Project Number	Research Category	Research Title	Principal Researcher	Co-Researcher
1	FRGS/1/2020/FPPT-CTED/F00449	GERAN FRGS	INTEGRATIVE MODEL DEVELOPMENT OF THE ECO-INNOVATION CAPABILITIES TOWARDS MALYSIAN SMES HALAL FOOD MANUFACTURERS' SUSTAINABILITY	NURULIZWA BINTI ABDUL RASHID	JUHAINI BINTI JABAR CHEW BOON CHEONG HASLINDA BINTI MUSA SAMER ALI HUSSEIN AL-SHAMI <b>CHE KU NURAINI BINTI CHE KU MOHD</b>
2	FRGS/1/2020/IPTK-CTED/F00463	GERAN FRGS	A DIGITAL ENTREPRENEURSHIP MODEL TOWARDS BUSINESSES' SUSTAINABILITY FOR PEOPLE WITH PHYSICAL DISABILITIES	SAMER ALI HUSSEIN AL-SHAMI	MOHAMMED HARIRI BIN BAKRI FAAIZAH BINTI SHAHBODIN CHEW BOON CHEONG NURULIZWA BINTI ABDUL RASHID <b>CHE KU NURAINI BINTI CHE KU MOHD</b>
3	INDUSTRI(MTUN)/IPSB/2020/FTMK-CACT/100044	GERAN INDUSTRI	EDUCATION 4.0: A FRAMEWORK TO TRANSFORM MAKTAB RENDAH SAINSFAAIZAH BINTI SHAHBODIN MARA TO DIGITAL CLASSROOM	FAAIZAH BINTI SHAHBODIN	SITI NURUL MAHFUZAH BINTI MOHAMAD ZURINA BINTI SA'AYA AZMAWATY BINTI MOHAMAD NOR HELMI BIN MOHD KASSIM MOHAMAD ZAINI BIN AWALUDDIN MOHD SHAMSURI BIN MD SAAD <b>CHE KU NURAINI BINTI CHE KU MOHD</b>
4	PJP/2019/FTMK(3D)/S01686	SHORT TERM	ENHANCEMENT OF AUTISM KITS FOR SPECTRUM DISORDERS USING VISUAL SCREENING TOOLS	<b>CHE KU NURAINI BINTI CHE KU MOHD</b>	
5	PJP/2019/PBPI(3D)/S01690	SHORT TERM	PREPARING MANUFACTURING ENGINEERS FOR INDUSTRY 4.0 VIA A DIGITAL ENGLISH AND COMMUNICATION COMPETENCIES' FRAMEWORK	INDRA DEVI A/P M.SUBRAMANIAM	FARAH SHAHNAZ BINTI FERAZ KENNETH A/L SUNDARAJ NORAINI BINTI HUSIN <b>CHE KU NURAINI BINTI CHE KU MOHD</b>

**Prof. Dr. Zulkifilie bin Ibrahim**  
Timbalan Naib Canselor (Penyelidikan & Inovasi)

Rujukan Kami (Our Ref): UTeM.11.02/500-25/2 Jld.3 ( 86 )  
Rujukan Tuan (Your Ref):  
Tarikh (Date): 13 MAC 2019



DR. CHE KU NURAINI BINTI CHE KU MOHD  
PROF. TS. DR. FAAIZAH BINTI SHAHBODIN

Melalui dan Salinan,  
DEKAN, FAKULTI TEKNOLOGI MAKLUMAT & KOMUNIKASI

PROF. MADYA DR. HASLINDA BINTI MUSA

Melalui dan Salinan,  
DEKAN, FAKULTI PENGURUSAN TEKNOLOGI DAN TEKNOUSAHAWANAN

DR. HAZMILAH BINTI HASAN  
DR. INDRA DEVI A/P M.SUBRAMANIAM

Melalui dan Salinan,  
DEKAN, PUSAT BAHASA DAN PEMBANGUNAN INSAN

السَّلَامُ عَلَيْكُمْ وَرَحْمَةُ اللَّهِ وَبَرَكَاتُهُ / Salam Sejahtera

Tuan/Puan

**TAWARAN GERAN PENYELIDIKAN JANGKA PENDEK (PJP) 2019 UNIVERSITI TEKNIKAL MALAYSIA MELAKA (UTeM)**

Dengan segala hormatnya merujuk kepada perkara di atas.

2. Sukacita dimaklumkan bahawa, projek penyelidikan tuan/puan di bawah Geran Penyelidikan Jangka Pendek (PJP) bagi tahun 2019 telah diluluskan sebagaimana butiran berikut :

Ketua Projek : DR. CHE KU NURAINI BINTI CHE KU MOHD

Penyelidik Bersama : i) PROF. TS. DR. FAAIZAH BINTI SHAHBODIN  
ii) PROF. MADYA DR. HASLINDA BINTI MUSA  
iii) DR. HAZMILAH BINTI HASAN  
iv) DR. INDRA DEVI A/P M.SUBRAMANIAM

Tajuk Projek : ENHANCEMENT OF AUTISM KITS FOR SPECTRUM DISORDERS USING VISUAL SCREENING TOOLS

Bidang Penyelidikan : HUMAN TECHNOLOGY INTERACTION

Laporan Pencapaian		
<b>Penerbitan (Wajib lampirkan bukti)</b>	<b>Tajuk Artikel (Jurnal):</b> eg. A.Shaaban, A.Fujita, A.J.Williams and I.R.Harris, 'Studies of Zr-additions on Near-Stoichiometric Nd-Fe-B Cast Ingots': <i>Proceedings of the 17<sup>th</sup> International Workshop on R.E.Magnets and Their Applications</i> , 18-22 August 2002, Newark, USA. pp 618-622	<b>IF/Indeks:</b>
	<b>Tajuk Prosiding:</b> TOOL IN SCREENING VISUAL PERCEPTION PROBLEMS	
<b>Pembentangan/ Persidangan (jika ada)*</b>	<b>Peserta:</b> <input type="checkbox"/> <b>Pembentang:</b> <input checked="" type="checkbox"/> <b>Pembentang Jemputan:</b> <input type="checkbox"/> <b>Tajuk (senaraikan):</b>	
<b>Produk</b>	<b>AUTISM KITS</b>	
<b>i) Nama Produk</b>		
<b>ii) Jenis IPR</b>	Paten: <input type="checkbox"/> Copyright: <input checked="" type="checkbox"/> Trademark: <input type="checkbox"/> Utility Innovation: <input type="checkbox"/>	
<b>iii) Anugerah / Pingat</b>	Kebangsaan: <input type="checkbox"/> Emas: <input checked="" type="checkbox"/> Perak: <input type="checkbox"/> Gangsa: <input type="checkbox"/> Antarabangsa: <input checked="" type="checkbox"/>	
<b>iv) Nama Pameran</b>	INTERNATIONAL e-LEARNING CARNIVAL AND CONFERENCE 2019	
<b>Penyertaan ke Kursus /Bengkel /Lawatan Industri (jika ada)</b>	<b>Nama Pameran/Kursus:</b> i) _____ ii) _____	<b>Lokasi:</b>

\*Sila bulatkan / tandakan mana yang berkaitan, dan kepiikan Lampiran jika ruang tidak mencukupi.

# Working with Industry Grant

UTeM x MRSM x INTEGRASI PINTAR SDN. BHD

Education 4.0: A Framework to Transform Maktab Rendah Sains Mara to Digital Classroom (MTUN)/IPSB/2020/FTMK-CACT/100044

11/2/2020 - 10/8/2021

RM 110,000



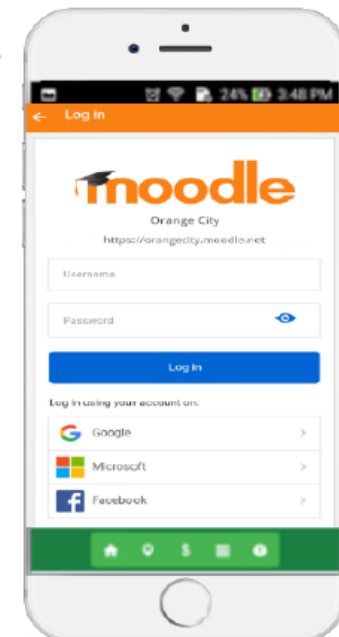
MoU and MoA signing ceremony session between UTeM and Integrasi Pintar Sdn. Bhd.-  
14/2/2020



Development and integration of LMS with 21st century educational tools

- ✓ Emerging Technology
- ✓ 21st Century Educational Tools
- ✓ Personal Learning Environment

Title: Education 4.0: A Framework to Transform Maktab Rendah Sains Mara to Digital Classroom (MTUN)/IPSB/2020/FTMK-CACT/100044







Meeting and discussion session with team and teachers at MRSM Serting, Jempol, Negeri Sembilan. – 14/8/2020





# *Working with Industry Grant*

UTeM x MRSM x INTEGRASI PINTAR  
SDN. BHD

Education 4.0: A Framework to Transform  
Maktab Rendah Sains Mara to Digital  
Classroom  
(MTUN)/IPSB/2020/FTMK-CACT/100044

11/2/2020 - 10/8/2021

RM 110,000

KPI deliverables:

- ✓ **1** System "INSPIRED"
- ✓ **1** Copyright
- ✓ **1** MoA
- ✓ **2** Journals

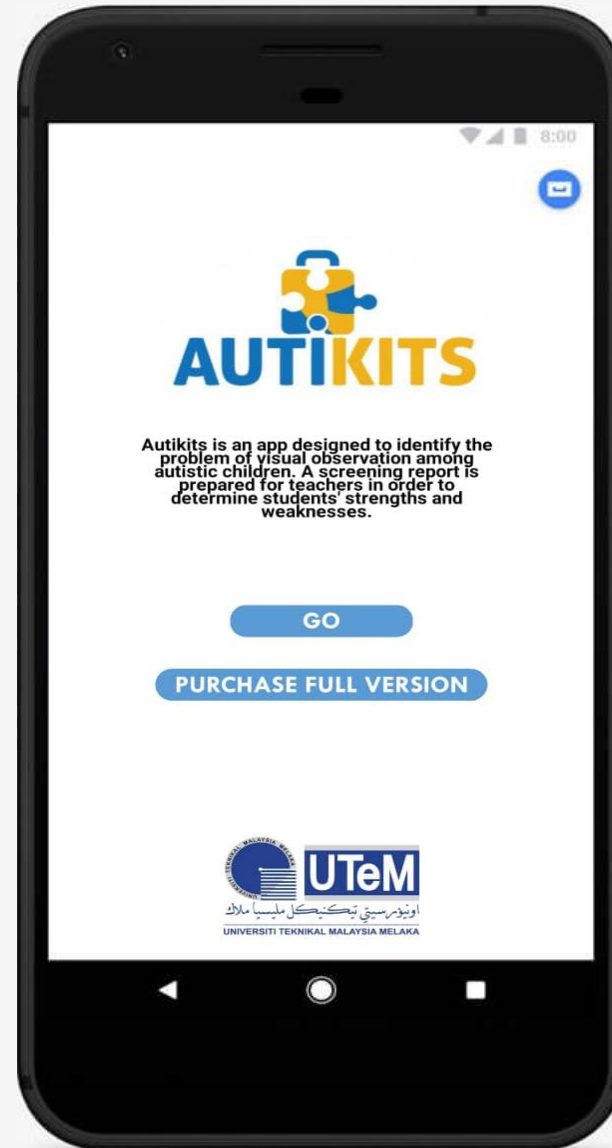
1. **Che Ku Nuraini Che Ku Mohd**, Faaizah Shahbodin, Mohd Shamsuri Md Saad, Azmawaty Mohamad Nor, Siti Nurul Mahfuzah Mohamad & Zurina Saaya (2020). Educational Technologies In The Personalised Learning Environment (PLE): A Review. World Transactions on Engineering and Technology Education. 18(3),pp 485-490. ISSN: 1446-2257 (Scopus, Q1)
2. **Che Ku Nuraini Che Ku Mohd & Faaizah Shahbodin** (2021). Issues And Challenges From Teachers' Perceptions In Creating Online Learning In The Midst Of Covid-19 Pandemic. Journal Of Theoretical And Applied Information Technology. 99(12),pp. 3039-3049. E-ISSN 1817-3195 / ISSN 1992-8645. (Scopus, Q3).

# Commercialization

Total: 1

# AUTIKITS

## Visual Perception Diagnostic Tool For Autistic Detection





Autikits is an app designed to identify the problem of visual observation among autistic children. A screening report is prepared for teachers in order to determine students' strengths and weaknesses.

GO

PURCHASE FULL VERSION

## MARKET/ USER



# Autikits

UNIVERSITI TEKNIKAL  
MALAYSIA MELAKA (UTeM)



3+  
Rated for  
3+ ⓘ



RM 20.99



## About this app

AutiKits can be used to filter out visual perception problems among autism

Brain Games

- ✓ Copyright (LY2020004895)
- ✓ Trademark (TM2020011859)
- ✓ Application of Serious Games in Classroom
- ✓ Autism Screening Tools
- ✓ Any Learning Disability Centre
- ✓ MoU and MoA with SEAMEO SEN
- ✓ LOI with Little Genius Autism Centre

## NOVELTY & INVENTIVENESS

- ✓ Computerised instrument for autistic screening
- ✓ Report based on Individual Education Plans (IEPs) for the students.
- ✓ Serious Games Engine

No	Name	Staff ID	Faculty & (CoE)	Nationality	Contribution (%)
1.	PROF. TS. DR. FAAIZAH SHAHBODIN	00477	CRIM/C-Act	Malaysian	45
2.	DR. CHE KU NURAINI CHE KU MOHD	PD006	CRIM/C-Act	Malaysian	35
3.	DR. HELMI ADLY MOHD NOOR	523222	Technical Foundation UniKL	Malaysian	10
6.	DR. ZANARIAH BINTI JANO	00344	PBPI/ C-Act	Malaysian	10

SCAN QR CODE TO  
DOWNLOAD THIS APPS





# Networking

SEAMEO SEN

SPECIAL EDUCATION DEPARTMENT, KPM

NASOM

MRSM

INTEGRASI PINTAR SDN. BHD

PERMATA

LITTLE GENIUS THERAPY AND LEARNING CENTER

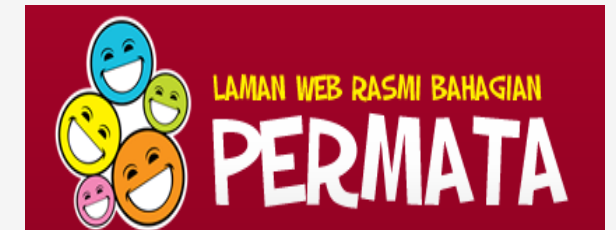


NASOM  
(The National Autism  
Society of Malaysia)



KEMENTERIAN  
PENDIDIKAN  
MALAYSIA

Special Education Department



# MoA

## UTeM & SEAMEO SEN

### SUPPLEMENTAL AGREEMENT

THIS AGREEMENT is made on the 28 day of March 2019



BETWEEN

**SOUTHEAST ASIAN MINISTERS OF EDUCATION ORGANIZATION REGIONAL CENTRE FOR SPECIAL EDUCATION (SEAMEO SEN)** a regional intergovernmental organization established in 2009 among governments of Southeast Asia countries and having its address at Level 2, Anjung Hikmah Complex, IPGK Perempuan Melayu, Jalan Durian Daun, 75450 Melaka, Malaysia ("SEAMEO SEN") of the first part;

AND

**UNIVERSITI TEKNIKAL MALAYSIA MELAKA**, a public university established pursuant to the provisions of the Universities and University Colleges Act, 1971 and having its address at Hang Tuah Jaya, 76100 Durian Tunggal, Melaka, Malaysia (hereinafter referred to as "UTeM") of the second part.

SEAMEO SEN and UTeM may individually be referred to as "Party" and collectively referred to as "Parties".

#### WHEREAS: -

A. The Parties have entered into a Collaboration Agreement dated 01<sup>st</sup> November 2018 and will be expired on July 2019 (hereinafter referred to as "the Principal Agreement") for a Research Collaboration Programme of "DESIGN, DEVELOPMENT AND TESTING OF VI-PER GAMES FOR AUTISM DIAGNOSTIC TOOLS" (hereinafter referred to as "Project") as described in Appendix A of the Principal Agreement.

- B. SEAMEO SEN and UTeM are fully aware that the Principal Agreement have been duly executed and stamped for the purpose stated therein and as above.
- C. The Parties are now have agreed to vary and add several terms and conditions to the Principal Agreement.

NOW IT IS HEREBY AGREED as follows: -

#### 1. ADDITIONAL MEMBER FOR THE PROJECT

1.1 UTeM hereby intend to add an additional Member for the Project and SEAMEO SEN gave their permission without any objection to the said matter, subject to the terms and conditions of this Agreement.

1.2 The details of the Additional Member are as follows:

(a) **DR. CHE KU NURAINI BINTI CHE KU MOHD** (hereinafter referred to as "Additional Member").

#### 2. COST

All stamp duties in relation to this Agreement shall be borne by UTeM save and except for legal fees where both Parties shall bear their own solicitors' fees.

#### 3. THIS PART TO BE A PART OF THE PRINCIPAL AGREEMENT

Subject to the clarification contained in this Agreement and such other alteration (if any) as may be necessary to make the Principal Agreement consistent with this Agreement, the Principal Agreement shall remain in full force and effect and shall be construed and read and be enforceable as of the terms, stipulations, conditions and provisions of this Agreement are inserted therein by way of

# Supervision

1 Phd Student

Role: Co SV

No	Name	Year	Title	Status
1.	Suriawati Binti Suparjoh (P031710014)	2019	An Augmented Reality Game Model For Screening Special Interests of Autism Children Date: 9 April 2019 Role: Co Supervisor	Supervision until 3.7.2021

 **UTeM**  
UNIVERSITI TEKNIKAL MALAYSIA MELAKA

Universiti Teknikal Malaysia Melaka  
Hang Tuah Jaya,  
76100 Durian Tunggal,  
Melaka, Malaysia.

+606 270 1000  
+606 270 1022  
www.utm.edu.my

---

**PUSAT PENGAJIAN SISWAZAH**  
Tel : +606 270 2791 | Faks : +606 270 1051

Rujukan Kami (Our Ref) : **UTeM.29.02/500-18/14 Jld.17 (97)**  
Rujukan Tuan (Your Ref) :  
Tarikh (Date) : 4 April 2019

Dr. Che Ku Nuraini Binti Che Ku Mohd  
Melalui dan salinan  
Pengarah, Pusat Pengurusan Penyelidikan Dan Inovasi

Tuan/Puan,

**LANTIKAN PENYELIA BERSAMA BAGI CALON PELAJAR DOKTOR FALSAFAH**  
Dengan segala hormatnya saya merujuk kepada perkara di atas.

2. Sukacitanya dimaklumkan bahawa tuan/puan adalah dilantik sebagai Penyelia Bersama kepada pelajar siswazah seperti berikut:-

**Nama : SURIAWATI BINTI SUPARJOH**  
**No. Matrik : P031710014**  
**Program : DOKTOR FALSAFAH**  
**Tajuk Tesis : AN AUGMENTED REALITY GAME MODEL FOR SCREENING SPECIAL INTERESTS OF AUTISM CHILDREN**

3. Kerjasama tuan/puan dalam memastikan program siswazah ini berjalan lancar sangat diharapkan. Dengan ini, tuan/puan bertanggungjawab membantu penyelia utama dalam segala urusan penyelidikan/akademik calon. Peranan dan tanggungjawab penyelia adalah seperti yang diperuntukkan di dalam Buku Peraturan Akademik Pengajian Siswazah, perenggan 7.2.8. Penglibatan dan sumbangan tuan/puan amatlah diharapkan dan didahului dengan ucapan terima kasih.

Sekian, terima kasih.

**"BERKHIDMAT UNTUK NEGARA"**  
**"KOMPETENSI TERAS KEGEMILANGAN"**

Saya yang menjalankan amanah,  
  
**PROFESOR TS. DR. NOREFFENDY BIN TAMALDIN**  
Dekan  
Pusat Pengajian Siswazah

s.k: Dekan, Fakulti Teknologi Maklumat & Komunikasi  
Profesor Ts. Dr. Faaizah Binti Shahbodin - Penyelia Utama

mfm/ua



# Intellectual Property (IP)

Copyright: 1

Trademark: 1

No.	Invention Name	Type	Role	Year
1.	Autikits LY2020004895 Date: 15.10.2020	Copyright	Member	2020
2.	Autikits TM2020011859 Date: 9.7.2020	Trademark	Member	2020



Universiti Teknikal Malaysia Melaka  
Hang Tuah Jaya,  
76100 Durian Tunggal,  
Melaka, Malaysia.

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+606 270 1022  
www.utem.edu.my



Universiti Teknikal Malaysia Melaka  
Hang Tuah Jaya,  
76100 Durian Tunggal,  
Melaka, Malaysia.

+606 270 1000  
+606 270 1022  
www.utem.edu.my



PUSAT PENGKOMERSILAN  
PEJABAT TIMBALAN NAIB CANSOLOR (PENYELIDIKAN & INOVASI)  
Tel : +606 2701293/1296 | Faks : +606 270 1033

Rujukan Kami (Our Ref): UTeM.01.03.01/100-18/4/1 Jld 3 43  
Rujukan Tuan (Your Ref):  
Tarikh (Date): 15 Oktober 2020

Profesor Ts. Dr. Faalizah binti Shahbodin  
Pegarah  
Pusat Kecemerlangan & Kesarjanaan Akademik

Tuan,

PERMOHONAN HAK CIPTA

TAJUK HAK CIPTA : AUTIKITS  
NO. PERMOHONAN : LY2020004895

Dengan segala hormatnya perkara di atas adalah dirujuk.

2. Dimaklumkan bahawa permohonan hak cipta di atas telah didaftarkan oleh pihak MyIPO pada 13 Oktober 2020 dan berikut adalah ahli penyelidik bersama yang terlibat:

- Dr. Che Ku Nuraini binti Che Ku Mohd
- Dr. Helmy Adiy bin Mohd Noor
- Dr. Zanariah binti Jano
- Profesor Madya Dr. Haslinda binti Musa
- Profesor Madya Dr. Jariah binti Mohamad Juoi

Sekian, terima kasih.

"KOMPETENSI TERAS KEGEMILANGAN"

Saya yang menjalankan amanah,

PROFESOR MADYA DR. MUHAMMAD HERMAN BIN JAMALUDDIN  
Pegarah  
Pusat Pengkomersilan

PUSAT PENGKOMERSILAN  
PEJABAT TIMBALAN NAIB CANSOLOR (PENYELIDIKAN & INOVASI)  
Tel : +606 2701293/1296 | Faks : +606 270 1033

Rujukan Kami (Our Ref): UTeM.01.03.01/500-25/8/2 (9)  
Rujukan Tuan (Your Ref):  
Tarikh (Date): 9 Julai 2020

YBhg. Profesor Ts. Dr. Faalizah binti Shahbodin  
Pegarah  
Pusat Kecemerlangan & Kesarjanaan Akademik

YBhg. Profesor,

PERMOHONAN CAP DAGANGAN

TAJUK CAP DAGANGAN : AUTIKITS  
NO. PERMOHONAN : TM2020011859

Dengan segala hormatnya perkara di atas adalah dirujuk.

2. Dimaklumkan bahawa permohonan cap dagangan di atas telah didaftarkan oleh pihak MyIPO pada 3 Julai 2020 dan berikut adalah ahli penyelidik bersama yang terlibat:

- Dr. Che Ku Nuraini Che Ku Mohd
- Dr. Helmi Adiy Mohd Noor
- Prof. Madya Dr. Haslinda binti Musa
- Prof. Madya Dr. Jariah binti Mohamad Juoi
- Dr. Zanariah binti Jano

Sekian, terima kasih.

"KOMPETENSI TERAS KEGEMILANGAN"

Saya yang menjalankan amanah,

PROFESOR MADYA DR. MUHAMMAD HERMAN BIN JAMALUDDIN  
Pegarah  
Pusat Pengkomersilan

# Professional Appointment

Share the awards and recognition awarded



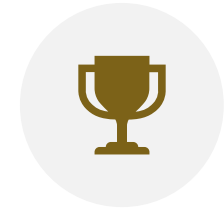
CHIEF EDITOR: **1**

JTET, UTHM, Q4

Special Issue



REVIEWER: **13**



JURY: **5**



PENYUNTING BUKU:

**1**



ASSOCIATE

RESEARCHER: **1**

Universiti Sebelas Maret,  
Indonesia.

Model Development of Digital  
Assessment for Autism in  
Elementary School



*TIMBALAN  
PENGKERUSI* for RG

PET: **1**

2 January 2020 – 30  
December 2022.



**Pejabat Penerbit**

Rujukan Kami (Our Ref) : UTHM/07-453/14/1-2019  
Rujukan Tuan (Your Ref) : 07-4536145  
Tarikh : 10 Februari 2019

**Dr. Che Ku Nuraini binti Che Ku Mohd**  
Pusat Pengurusan Penyelidikan dan Inovasi  
Universiti Teknikal Malaysia Melaka  
Hang Tuah Jaya  
76100 Durian Tunggal  
Melaka

Puan,

**PELANTIKAN SEBAGAI KETUA EDITOR JURNAL TERBITAN KHAS UTHM**

Dengan segala hormatnya saya merujuk perkara di atas.


2. Sukacita dimaklumkan bahawa Penerbit UTHM bersetuju melantik puan sebagai **Ketua Editor** bagi terbitan khas *Journal of Technical Education and Training*. Pelantikan ini berkuatkuasa pada 10 Februari 2019 sehingga selesai penerbitan isu khas tersebut. Bersamaan ini dilampirkan skop tugas editor terbitan khas untuk rujukan.
3. Kami mengucapkan tahniah dan syabas di atas pelantikan ini. Komitmen dan sumbangan tuan amat kami hargai dan didahului dengan ucapan terima kasih.

**"BERKHIDMAT UNTUK NEGARA"**

Saya yang menjalankan amanah,



**PROF. MADYA TS. DR. AMIR BIN KHALID**  
Pegawai  
Pejabat Penerbit  
☎ 07-453 7150  
☎ 07-453 6145

 - Timbalan Naib Canselor (Penyelidikan dan Inovasi)

**PENERBIT UNIVERSITI**

Tel : +606 270 1241 | Faks : +606 270 1038

Rujukan Kami (Our Ref): UTeM.10.02/100-1/7/22 ( )  
Rujukan Tuan (Your Ref):  
Tarikh (Date): 17 Disember 2020 / 2 Jamadilawwal 1442H

Dr. Che Ku Nuraini binti Che Ku Mohd  
Pusat Pengurusan Penyelidikan dan Inovasi

Puan,

**PELANTIKAN SEBAGAI PENYUNTING BUKU TERBITAN UNIVERSITI TEKNIKAL MALAYSIA MELAKA (UTeM)**  
Tajuk Manuskrip: *Multiple Intelligence Online Educational Technology Approach*

Dengan segala hormatnya saya merujuk kepada perkara di atas.

2. Sukacita dimaklumkan bahawa Penerbit Universiti berhasrat melantik puan sebagai penyunting bagi manuskrip yang berjudul *Multiple Intelligence Online Educational Technology Approach*. Sebagai tanda penghargaan atas usaha puan, kami akan memberikan sugu hati sebanyak **RM700.00**.
3. Sehubungan itu, puan adalah dipohon untuk membuat suntingan menggunakan *ballpen* berdakwa merah dan mengembalikan maklumat berikut kepada kami **sebelum atau pada Jumaat, 31 Disember 2020** untuk tindakan kami selanjutnya. Maklumat yang perlu dikembalikan adalah seperti berikut:-
  - i. Borang Maklumat Penyunting Bahan Ilmiah
  - ii. Borang Semakan Penyuntingan dan Pruf
  - iii. Salinan manuskrip *Multiple Intelligence Online Educational Technology Approach* yang telah disunting
  - iv. *Curriculum Vitae*
4. Borang dan maklumat berkaitan boleh diserahkan kepada kami di alamat seperti berikut:

**Pengarah,  
Penerbit Universiti,  
Universiti Teknikal Malaysia Melaka,  
Hang Tuah Jaya,  
76100 Durian Tunggal,  
Melaka.**



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,  
RISET, DAN TEKNOLOGI  
UNIVERSITAS SEBELAS MARET  
FAKULTAS KEGURUAN DAN ILMU PENDIDIKAN  
Jalan Insinyur Sutami No. 36A Kentingan Surakarta 57126  
Telepon (0271) 632916, Faksimile (0271) 648939  
Laman <https://fkip.uns.ac.id>, Surel: [fkip@fkip.uns.ac.id](mailto:fkip@fkip.uns.ac.id)

Monday, 5<sup>th</sup> June 2021

Number of Letter :  
Dearest,  
Dr. Che Ku Nuraini Binti Che Ku Mohd  
Faculty of Technology Mangement and Technopreneurship  
Universiti Teknikal Malaysia Melaka (UTeM)  
Hang Tuah Jaya76100, Durian Tunggal Melaka, Malaysia

On behalf of Faculty of Teacher Training and Education, Universitas Sebelas Maret, we would like to cordially invite you to be the speaker on our Focus Group Discussion (FGD) to develop identification instruments for autistic children. We hope that Dr. Che Ku Nuraini Binti Che Ku Mohd can provide information about autikits as a tool to identify autistic children as a reference for identification instrument of autistic children in Indonesia. The FGD will take place as follows:

Day/Date : Thursday, 24<sup>th</sup> June 2021  
Link Zoom : To be informed later  
Hours : 09.00 – 12.00 (Western Indonesian Time)

Thank you for your attention, we are looking forward to seeing you in FGD. Wish you be healthy, wealthy, and wise.

Warm Regards,  
Dean, Faculty of Teacher Training  
and Education, Universitas Sebelas Maret

Head of Reseacher

Dr. Joko Yuwono, MPd  
NIP. 197306192018101

Dr. Mardiyana, M.Si  
NIP. 196602251993021002



Ck Nuraini Ck Mohd is with Faaizah Shahbodin S and Farah Nadia at Universitas Sebelas Maret Surakarta.

June 24 · Jakarta, Indonesia · 🌐

Alhamdulillah done sharing session with Universitas Sebelas Maret Surakata as our research collaborator. Wonderful sharing session as Speaker today attended by special teachers from Indonesia schools. Thank you for this collaboration. Missing you Indonesia 🇮🇩🇮🇩🇮🇩  
Hoping this pandemic will end soon.Amin. 😊

#researchcollaboration  
#assistivetechologytools  
#UniversitiSebelasMaret

Date: 24/6/2021

Time: 9am-12pm

Universitas Sebelas Maret







KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN

UNIVERSITAS SEBELAS MARET SURAKARTA

FAKULTAS KEGURUAN DAN ILMU PENDIDIKAN

Alamat: Jl. Ir Sutami 36 A Kentingan Surakarta Telp/Fax (0271) 648939

Email : fkip@fkip.uns.ac.id, Website : http://fkip.uns.ac.id

### APPOINTMENT AS ASSOCIATE RESEARCHER

### FACULTY OF TEACHER TRAINING AND EDUCATION

UNIVERSITAS SEBELAS MARET, (Indonesia)

In line with development of friendly international cooperation in accordance with our mutual interest in developing programs of academic and scholarly exchanges and for the purpose of establishing a long-term mutually beneficial association, FACULTY OF TEACHER TRAINING AND EDUCATION, Universitas Sebelas Maret, with a principal place of business at Jl. Ir. Sutami 36 Kentingan, Jebres, Surakarta, Jawa Tengah, Indonesia, represented by its dean Dr. Mardiyana, M.Si agrees to promote academic cooperation by conducting a collaborative project with Research Group Pervasive Computing & Educational Technology (PET), under Centre For Advanced Computing Technology (C-ACT) Universiti Teknikal Malaysia, Melaka (UTeM). The Faculty agrees to exercise it best efforts to develop the following form of cooperation:

1. Establish a collaborative project with the Research Group Pervasive Computing & Educational Technology (PET), under the Centre For Advanced Computing Technology (C-ACT).
2. Provide RM 10,000 to pursue a research project entitled: "Model Development of Digital Assessment For Autism in Elementary Schools"
3. Set up research team from Department Of Special Education (Faculty Of Teacher Training and Education) by appointing Dr. Joko Yuwono M.Pd (head of research team), Prof. Gunarhadi, Ph.D (member), Prof. Munawir Yusuf M.Si (member), and Mahardika Supratiwi S.Psi, M.A (member)
4. Appointment of Professor Dr Faaizah Shahbodin (head of research team) and **Dr Che Ku Nuraini Che Ku Mohd (member)** and Dr Farah Nadia Azman (member) from Research Group Pervasive Computing & Educational Technology (PET), under Centre For Advanced Computing Technology (C-ACT) Universiti Teknikal Malaysia, Melaka (UTeM) as Associate Researcher for this research project.



Universiti Teknikal Malaysia Melaka +606 270 1000  
Hang Tuah Jaya, +606 270 1022  
76100 Durian Tunggal, Melaka, Malaysia. www.utm.edu.my

### PUSAT PEMBANGUNAN PERUSAHAAN DAN TEKNOUSAHAWANAN(CREATE)

Tel : +606 270 8072

Rujukan Kami (Our Ref): UTeM.40.01/100-18/1/3 Jld.4(23 )  
Rujukan Tuan (Your Ref):  
Tangk (Date): 18 Julai 2019/ 15 Zulkaedah 1440H

Y. Bhg. Dr. Che Ku Nuraini Binti Che Ku Mohd

Penyelidik Pasca Doktorat  
Pusat Pengurusan Penyelidikan dan Inovasi  
Universiti Teknikal Malaysia Melaka  
76100 Durian Tunggal, Malaysia, Melaka.

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

Dr.,

PELANTIKAN SEBAGAI FASILITATOR PROGRAM SOCIAL ENTREPRENEUR FOR SPECIAL EDUCATION COMMUNITY (SE@SEC): A CASE STUDY ANJURAN PUSAT PEMBANGUNAN PERUSAHAAN DAN TEKNOUSAHAWANAN (CREATE) DENGAN USAHASAMA KUMPULAN PENYELIDIK PERVASIVE COMPUTING & EDUCATIONAL TECHNOLOGY (PET), UNIVERSITI TEKNIKAL MALAYSIA MELAKA (UTeM)

Dengan segala hormatnya perkara di atas adalah dirujuk.

2. Adalah dimaklumkan Pusat Pembangunan Perusahaan dan Teknousahawan (CREATE) dan Kumpulan Penyelidik Pervasive Computing & Educational Technology (PET), Universiti Teknikal Malaysia Melaka (UTeM) akan menganjurkan **Program Social Entrepreneur For Special Education Community (SE@SEC)**. Justeru, Dr. adalah dilantik sebagai fasilitator seperti ketetapan berikut:-

Tarikh	:	31 Julai 2019, 1 Ogos 2019 & 31 Oktober 2019
Masa	:	8.30pagi – 5.00petang
Tempat	:	Dewan UTeM 1 Bangunan Pentadbiran FTK

3. Segala kerjasama dan perhatian yang diberikan oleh Dr. amatlah dihargai dan didahului dengan ucapan ribuan terima kasih.

...2/-

SEBUAH UNIVERSITI TEKNIKAL AWAM



GRANTED TO DR. CHE KU NURAINI



# FACILITATOR FOR PROGRAM SOCIAL ENTREPRENEUR FOR SPECIAL EDUCATION COMMUNITY (SE@SEC)

31 JULY 2019, 1 AUGUST 2019 & 31 OKTOBER 2019







8 November 2020

Number : 247/UN40.4.6/DL/2020

### LETTER OF APPOINTMENT

In line with the Letter of Intent to Collaborate between Universiti Teknikal Malaysia Melaka and Universitas Pendidikan Indonesia on August 10<sup>th</sup>, 2019, Prof. Dr. Munir, M.IT., as the team leader of the research entitled "Software untuk Mendeteksi Level dan sebagai Media Pembelajaran Siswa Autis: Studi Banding SLB Malaysia dan SLB Indonesia" has appointed the following team members:

1. Name: Prof. Dr. Faaizah Shahbodin  
Affiliation: Centre for Academic Excellent and Scholarship, UTeM, kampus Industry, 76100 Melaka, Malaysia  
Email: [faaizah@utem.edu.my](mailto:faaizah@utem.edu.my)  
Hp: 019 6586704
2. Name: Dr. Che Ku Nuraini Binti Che Ku Mohd  
Affiliation: Centre for Research and Innovation Management (CRIM)  
Universiti Teknikal Malaysia Melaka (UTeM), Hang Tuah Jaya, 76100, Durian Tunggal, Melaka, Malaysia.  
Email: [ckmuraini@utem.edu.my](mailto:ckmuraini@utem.edu.my)  
Hp: 0129082650
3. Name: Ts. Dr. Siti Nurul Mahfuzah Mohamad  
Affiliation: Faculty of Information and Communication Technology, Universiti Teknikal Malaysia Melaka (UTeM), Hang Tuah Jaya, 76100 Durian Tunggal, Melaka, Malaysia.  
Email: [mahfuzah@utem.edu.my](mailto:mahfuzah@utem.edu.my), [mahfuzah.weebly.com](mailto:mahfuzah.weebly.com)  
Hp: 60133808211
4. Name: Dr zanariah Jano  
Affiliation: Department of human development, Centre for Languages and Human Development, Universiti Teknikal Malaysia Melaka (UTeM), Hang Tuah Jaya, 76100 Durian Tunggal Melaka  
Email: [zanariahjano@utem.edu.my](mailto:zanariahjano@utem.edu.my)  
Hp: 0174141039



5. Name: Dr. Farah Shahnaz Feroz  
Affiliation: Faculty of Electronics and Computer Engineering, Universiti Teknikal Malaysia Melaka, Hang Tuah Jaya, 76100, Durian Tunggal, Melaka, Malaysia.  
Hp: 801231-07-5684

The amount of funding for this research in 2020 is Rp. 166,576,100. Therefore, this appointment shall provide logistical and management details appropriate to the successful operation of the programs to fulfill the spirit and purpose of the research.

Head of Department of Computer Science  
Education

Dr. Lala Septem Riza, M.T.  
NIP. 197809262008121001

Team Leader of Research

Prof. Dr. Munir, M.IT  
NIP. 196603252001121001

# COLLABORATION MEETING BETWEEN UTeM & UNIVERSITAS PENDIDIKAN INDONESIA "SOFTWARE UNTUK MENDETEKSI LEVEL SEBAGAI MEDIA PEMBELAJARAN SISWA AUTIS: STUDI BANDING SLB MALAYSIA DAN SLB INDONESIA"



UNIVERSITAS  
PENDIDIKAN  
INDONESIA  
*A Leading and Outstanding University*



I am presenting  
the system to  
UPI team, Dr.  
Lala Septem  
Riza.



1. **REVIEWER.** 3ICT2021 (2021 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT). 17 June 2021.
2. **REVIEWER.** The 4th International Conference on Computational Science and Information Management ICoCSIM 2021 (ICoCSIM 2021), "Advancing Digital Society with Advanced Technologies". 10 June 2021. UMP. Taha Rassem (Chair).
3. **REVIEWER.** The 12th International Conference on Information Technology in Asia 2021 (CITA2021), "Inspiring Technologies for Digital Inclusivity". 14 April 2021. UNIMAS. Chiew Kang Leng, PhD (Chair).
4. **REVIEWER.** Evergreen, the Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy. 30 March 2021. Scopus,Q3. Amrik Singh Phuman Singh, PhD (Associate Editor).
5. **REVIEWER.** Melaka International Conference on Social Sciences, Science and Technology 2021 (MIC3ST 2021). 30 & 31 March 2021. Virtual Conference Organised by Division of Research & Industrial Linkages, UiTM Cawangan Melaka.
6. **REVIEWER.** Sixth International Conference on Internet Applications, Protocols and Services (NETAPPS2020). 2 & 3 December 2020. InterNetWorks Research Laboratory, Universiti Utara Malaysia.
7. **REVIEWER.** Global Research Conference (GRaCe 2020). 6 June 2020, Department of Research and Industrial Linkages, Universiti Teknologi MARA Cawangan Terengganu.
8. **REVIEWER.** Innovative Teaching Research Day 2019 (InTReD`19). 29 August 2019, Centre for Academics Excellence and Scholarship (CAES), UTeM
9. **REVIEWER.** National Technology Research of Engineering, Design & Social Science Conference 2019 (nTRENDS). 16 July 2019, Politeknik Merlimau Melaka.
10. **REVIEWER.** Innovative Teaching Research Day 2019 (InTReD`19). 29 August 2019, Centre for Academics Excellence and Scholarship (CAES), UTeM.
11. **CHIEF EDITOR:** Special Issue Journal of Technical Education and Training (JTET), 2019
12. **REVIEWER.** Journal of Technical Education and Training (JTET). 13 Februari 2019, Universiti Tun Hussein Onn Malaysia (UTHM)
13. **REVIEWER.** International Journal Of Human And Technology Interaction (IJHaTI). 2 October 2018, Universiti Teknikal Malaysia Melaka (UTeM)
14. **REVIEWER.** Innovative Teaching Research Day 2018 (InTReD`18). 6 September 2018, Centre for Academics Excellence and Scholarship (CAES), UTeM

1. **JURY.** The International Conference On Research In Engineering And Social Science 2021(IRES2'21). Kolej Komuniti Temerloh, Pahang. Judging: 29 & 30 June 2021.
2. **ASSOCIATE RESEARCHER.** Faculty of Teaching Training and Education. Universiti Sebelas Maret, Indonesia. Model Development of Digital Assessment for Autism in Elementary School. 3 May 2021.- Member.RM 10,000.
3. **JURY.** Ekspo Maya Rekacipta & Pameran Penyelidikan UniMAP 2021 (EREKA 2021). Organized by Pusat Inovasi dan Pengkomersialan (CIC) UniMAP. 8 Februari 2021. Universiti Teknikal Malaysia Melaka. Judging: 11 hingga 13 Februari 2021.
4. **JURY.** Innovative Research and Industrial Dialogue 2020 (IRID 2020). Organized by Faculty of Manufacturing Engineering. 17 December 2020. Universiti Teknikal Malaysia Melaka. Judging: 03 to 15 December 2020.
5. **JURY.** Innovation Competition, Conference & Career Exhibition (I3Ce) 2018. Anjuran Unit Penyelidikan, Inovasi dan Komersialan, Politeknik Melaka. 13 November 2020. 8am-5pm. Via Online.
6. **TIMBALAN PENGERUSI** for Research Group: Pervasive Computing & Educational Technology (PET), Centre for Advanced Computing Technology (C-ACT), Universiti Teknikal Malaysia Melaka (UTeM), 2 January 2020 – 30 December 2022.
7. **CHAIRPERSON.** International Conference on E-Learning 2019. Organized by MEIPTA. 21-22 August 2019. Universiti Malaysia Sarawak (UNIMAS).
8. **JURY.** Students Invention, Innovation, Design and Exhibition @ SIIDE 2018. 23 November 2018. Dewan Taming Sari, UiTM Cawangan Melaka, Kampus Alor Gajah.
9. **JURY.** Innovation Competition, Conference & Career Exhibition (I3Ce) 2018. Anjuran Unit Penyelidikan, Inovasi dan Komersialan, Politeknik Melaka. 16 October 2018. Kings Green Hotel Melaka.
10. **EXTERNAL EXAMINER.** Diploma in Business Administration. Subject: Introduction to Computer Applications (CS 1103), 11th May 2018, Putra International College, Melaka.
11. **EXTERNAL EXAMINER.** Certificate in Business Studies. Subject: Fundamentals of Information Technology (CS 0100), 11th May 2018, Putra International College, Melaka.
12. **JURY FKE INDUSTRIAL EXPOSURE FAIR 2018.** Fakulti Kejuruteraan Elektrik, Universiti Teknikal Malaysia Melaka (UTeM). 26 September 2018.

# Certification

*Microsoft Innovative Educator*

## Certificate of recognition



**DR. CHE KU NURAINI BINTI CHE KU MOHD**

Has been awarded this Microsoft in Education certificate in recognition of membership in the:

**Certified Microsoft Innovative Educator**

✓ **Completed:** 12/2/2020

Anthony Salcito  
Vice President, Worldwide Education

education.microsoft.com

## Certificate of course completion



**DR. CHE KU NURAINI BINTI CHE KU MOHD**

Has been awarded the certificate for successfully completing the following course:

**Keeping students engaged: Building strong student/teacher connections in a remote learning environment**

✓ **Completed:** 12/2/2020

Anthony Salcito  
Vice President, Worldwide Education

education.microsoft.com



**Journals/Proceedings/  
Books**



**Grants**



**Commercialization &  
Intellectual Property (IP)**

# *Thank You*

*I am looking for an opportunity that will allow me to both contribute and lead me to personal and professional development.*



**Awards & Innovation**



**Professional  
Appointments**



**Supervision**