



2024 iCE-CInno

Fuelling The Digital Renaissance Through Innovation

INTERNATIONAL COMPETITION AND EXHIBITION ON COMPUTING INNOVATION (iCE-CInno) 2024

"Fuelling the Digital Renaissance through Innovation"

27 - 28 November 2024

Dewan Serbaguna, UMPSA Pekan

ORGANIZED BY:



Faculty of Computing
Fakulti Komputeran

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Greetings from the Vice Chancellor of Universiti Malaysia Pahang
AI-Sultan Abdullah,

PROFESOR DATO' TS. DR. YUSERRIE BIN ZAINUDDIN

Assalamualaikum Warahmatullahi Wabarakatuh and Sincere Greeting to All,

In this auspicious opportunity, I would like to extend my sincere greeting and warmest welcome to all participants at Universiti Malaysia Pahang AI-Sultan Abdullah (UMPSA). Thank you for joining the International Competition and Exhibition on Computing Innovation (iCE-CInno) 2024 organized by the Faculty of Computing (FK), UMPSA.

The 4th iCE-CInno 2024 is the best platform for our researchers, academicians, practitioners, and students to present, exchange their research findings, promote their innovative products and solutions, meet partners, and gain international recognition for their inventions and innovations. It is also valuable for building a basis for establishing networks among them.

The 2024 theme, “**Fuelling The Digital Renaissance Through Innovation**”, reflects the sustainability of computer technology in the development of universal knowledge and the need for innovators and inventors to be more aggressively active in creating a smart future for more inventions and innovations. May this exhibition be the door to inspiration and opportunities to explore the integration of innovative practices more holistically and comprehensively.

Thank you to the organizing committee members for the effort and commitment towards the success of this event. Lastly, I hope that iCE-CInno 2024 will be a memorable exhibition to benefit all the participants.



Message from the Program Chair of iCE-CInno 2022,

ASSOC. PROF. TS. DR. MOHD ARFIAN BIN ISMAIL

Assalamualaikum Warahmatullahi Wabarakatuh,

As the Program Chair, I would like to extend my personal welcome to our international and local participants to iCE-CInno 2024. Together with my outstanding team, I'm pleased to be an integral part of this competition and exhibition with the theme "**Fuelling The Digital Renaissance Through Innovation**".

In this edition, we managed to attract participants from all over Malaysia, as well as international participants from neighbouring country. As the program chair, my hope for all is that participants can take this opportunity to build your network with other fellow participants to find opportunity to collaborate for future projects.

Through this competition, we attempt to encourage the spirit of innovative computing among wide range of background, from primary school, secondary school, skill college up to higher education institute.

With the total of more than 50 participations, of five categories, we hope this becomes reality and brings us all the positive spirit. It is not too late to say congratulations to those who succeeds to join this event.



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PELAJAR PERSATUAN PELAJAR PASCA SISWAZAH FK (PGKOM)



PROGRAM TENTATIVE

Day 0 – Exhibition Setting (26 Nov)		
15:00	17:00	Booths set up
	17:00	End of Day 0 Event

Day 1 – Competition & Exhibition (27 Nov)		
7:30	8:30	Registration
8:30	10:00	Booths set up and preparation
10:00	13:00	Poster Exhibition & Judging Session I
13:00	14:00	Lunch Break
14:00	17:00	Poster Exhibition & Judging Session II
	17:00	End of Day 1 Event

Day 2 – Results & Closing Ceremony (28 Nov)		
8:00	9:00	The arrival of faculty members and participants
9:00	9:10	Event briefing by Master of Ceremony
9:10	10:00	Innovation Project Talk by Ts. Dr. Syafiq Fauzi Bin Kamarulzaman
10:00	10:05	CLOSING CEREMONY The arrival of guests and Vice Chancellor
10:05	10:10	Welcoming by Master of Ceremony and Doa Recitation
10:10	10:20	Welcoming Speech by Program Chair
10:20	10:35	Welcoming Speech by Dean of Faculty of Computing
10:35	11:00	Welcoming and Closing Speech by Vice Chancellor
11:00	11:05	Montage Presentation
11:05	11:25	Award & Prize Giving Ceremony
11:25	11:40	Photo Session
	11:30	End of Closing Ceremony & Exhibition Event

PROJECT TITLE AND PARTICIPANTS

Category: Primary School

BOOTH ID	TITLE	PARTICIPANTS
25	SMART GARDENING SYSTEM	Arjunaidah Binti Ibrahim, Muhammad 'Umar Nu' Aiman Bin Mohd Zakuan, Ahmad Rayyan Bin Ahmad Ruzaidi, Muhammad Ammar Shafie Bin Mohd Syazwan, Hilyatul U'zma Binti Muhammad Khairul Khan, Muhammad Naqib Bin Muhammad Ikram
32	FAULT DETECTION SUKAN LOMPAT JAUH (SENSOR)	Rohaida Binti Abdul Ghaffar, Azniza Binti Mohd Aziz, Nazaitul Shima Binti Rahamat
39	PRIME MONITORING TECHNOLOGY	Afia Maryamuzzahrah Binti Ahmad Syahril, Nur Farha Marissa Binti Nor Shahrul, Afeef Dayyan Bin Syahnizam, Lili Mastura Binti Che Wil, Hayati Binti Md Fuad
45	THE "MELIBAS" (MESIN LIPAT BAJU DAN SELUAR)	Wan Mohd Suzaimi Bin Ismail, Puteri Qaireen Nur Aryssa Binti Faisal Azwan, Syed Muhammad Ammar Muzaffar Bin Syed Muhd Aiman Nuruddin, Muhammad Adam Haziq Bin Mohamad Najman, Wan Intan Amilyn Rizqie Binti Wan Mohd Suzaimi, Darish Naufal Bin Faisal Azwan
46	THE "ROBOMBA"	Tengku Rozieta Tengku Zainal Abidin, Syed Muhammad Arman Iskandar Bin Syed Muhd Aiman Nuruddin, Puteri Qairina Adriana Binti Faisal Azwan, Dani Ammar Bin Mohamad Zaini, Nur Iman Safiyya Binti Mazlihisham, Syed Muhammad Aidan Bakhtiar Bin Syed Muhd Aiman Nuruddin
76	E-GAME : CLASSROOM CLEANUP CREW	Fakhrul Anwar Bin Khalil, Aiman Syahmi Bin Abdussalam, Muhammad Aisar Luqman Bin Shamsulkamal, Muhammad Hariz Zakwan Bin Mohd Rosli, Muhammad Khalish Kausar Bin Abdul Hafiz, Muhammad Ziyadh Amjad Bin Mohd Faiz
81	PENGGUNAAN INTERNET OF THINGS (IOT) UNTUK PEMANTAUAN SISTEM AQUAPONIK (APIOT)	Hasan Bin Marjohan, Muhammad Adib Rayyan Bin Roswadi, Muhammad Dzikri Zafran Bin Mohd Shahrizan, Hannan Durrani Binti Ahmad Humaizi, Muhammad Daris Zafran Bin Mohd Shahrizan, Muhammad Affiey Danial Bin Adzre

Category: Secondary School

BOOTH ID	TITLE	PARTICIPANTS
17	ASSETLOGIC	Umami Zulaikha Binti Abdul Hamid, Muhammad Haikal Daniel Bin Mohd Nazri, Ahmad Rafie', Noraini Binti Mahbob, Siti Khadijah Binti Ismail
34	EDUSPHERE AI	Liam Mok Tze Chuang, Joseph Tuan Lakai, Cailyn Yong See Ching, Lim Yang Hong

BOOTH ID	TITLE	PARTICIPANTS
43	MPSS CARD (MULTI-PURPOSE STUDENT SMART CARD)	Wan Norsuzihana Bt Wan Abdul Jalil, Muhammad Adib Darwis Bin Abd Razak, Muhammad Hafiz Zulfi Bin Khairul Azman, Siti Batrisyia Damia Binti Shamsuddin, Nurul Raihana Binti Azman
56	AERO (AIR QUALITY MONITORING DASHBOARD FOR FACTORIES)	Faiz Bin Mohd Fakri, Atif Faqih Bin Mohd Al' Ikhsan, Ibad Qawi Bin Mahdi, Abi Talhah Hussaini Bin Baharuddin, Khairul Anwar Bin Amir
57	ZEN ZONE FATIGUE PREVENTION	Mohamad Zaim Bin Mohammad Shahdaar, Ahmad Dzakwan Husaini Bin Muhammad Hafizh, Muhamad Aqil Amsyar Bin Mohd Zurimi, Muhammad Luqmannulhakim Bin Hasrul Afizan, Mu'izz Zikrilmun'im Bin Mostadza, Khairul Abidin Bin Mohamad
58	AQUAZEN (SMART IRRIGATION APP)	Muhammad Aidil Danial Bin Mohd Khairul, Muhammad Darwisy Hakim Bin Hamizan, Ahmad Syahmi Faiz Bin Ahmad Sabri, Muhammad Aqeel Bin Mohd Suhaimi, Khairul Anwar Bin Amir
59	EV CHARGING APP (CHARGESYNC)	Muhammad Zahidul Akram Bin Za Rosmaini, Ahmad Faris Bin Ahmad Fairuz, Muhammad Ammar Tha'qif Bin Nasrullah, Muhammad Haris Danial Bin Khairul Faizal, Khairul Abidin Bin Mohamad
60	EIFA GAMES (ENJOYABLE, INDIRECTLY, FUN, ANYWHERE GAMES)	Ariffa Rizan Binti Zahari, Dahlia Binti Dahari Kamil, Muhammad Adib Najwan Bin Abdul Halim, Nur Adriana Karissa Binti Anuai, Nur Ain Adilah Binti Hasin, Aflisham Bin Abdul Aziz
64	TAR'S CARD MERIT DEMERIT	Aman Asna Bin Mohd Reusmaazran, Naurah Sabihah Binti Iskandar Zulkarnain, Rizwan A/L Supian, Rayyan Ikram Bin Mohd Nasron, Aariz Bin Ashir, Arifah Dahiyah Binti Zain Azfa
65	TAR'S CARD EVENT ENGAGEMENT	Syarifah Airis Marissa Bt Syed Mohd Muhaimin, Rayyan Iman B. Mohd Fadhli, Nur Zulaikha Bt Asrol, Adam Rayyan B. Rashdan, Aleysha Adriana Bt Mohammad Azley
66	TAR'S SMART ACADEMIC DATA ENTRY	Nur Ain Aliah Binti Muhsin, Puteri Qaisara Shazrina Binti Sharul Nizam, Nur Safiera Batrisyia Binti Safruddin, Nur Airis Arysha Binti Mohd Saffari, Yus Arisya Irdeena Binti Mohd Idrus
67	TAR'S ACADEMIC PERFORMANCE DASHBOARD	Sofea Jemma Marlaena Bt Mohd Yusri, Qaisara Damia Bt Mohd Samshear, Irish Nur Daniya Bt Abang Uda, Wan Alisya Dania Bt Wan Shahrin, Qurratu Ain Bt Azili
68	TAR'S CARD – ACADEMIC SMART ATTENDANCE	Nur Lidya Maisarah Bt Zulkefli, Puteri Nur Adlina Bt Rahmat Wijaya, Eddylhea Aainaa Bt Zul Azri, Nur Aqilah Bt Mohd Ridhauddin, Nuraleesya Surayya Bt Ahmad Sabri
69	TAR'S SMART HOSTEL MANAGEMENT	Nur Amirah Farzana Bt Abas, Sarah Najiha Bt Mohd Shukri, Muhammad Irfan B. Mohd Amin, Muhammad Afiq Azmil B. Shahril Jeffrey, Harith Al-Qarami B. Syakirin Fakhruzzaman

BOOTH ID	TITLE	PARTICIPANTS
72	LAPTRACK: SMART SOLUTIONS FOR EFFECTIVE DEVICE MANAGEMENT IN SCHOOLS	Farah Husna Binti Azman, Muhammad Khairin Bin Mohd Luqman, Izzah Binti Ahmad Nizar, Humaira Insyirah Binti Muhammad Rizal, Muhammad Zafran Ng Bin Affendi, Zaqwan Arham Bin Rusdy
73	PHYVIR : UNLOCKING EXPERIMENTS, "NO LAB? NO PROBLEM!"	Wan Nur Adila Faqiha Bt Wan Ruzaidi, Fatimah Az-Zahra Bt Amran, Nur Najma Irdina Bt Badrul Hisham, Huda Nasuha Binti Muhd Zihni, Hanzolah Bin Khirul Arifin, Muhammad Nawal Hassan Bin Mohd Zawawi
75	MUFLIS?!! CONQUER OR CRUMBLE	Farihah Hanem Binti Ahmad Nazri, Hariz Adib Aniq Bin Zora, Muhammad Aqil Bin Mohd Sufian, Muhammad Farhan Bin Azlan, Fatimah Azzahra' Binti Mohd Zaid, Hani Farisya Binti Muhamad Sharifuddin
77	M.I.D.A : MICROSLEEP DETECTION & ALERT	Muhammad Iqbal Hadi Bin Mohd Yusof, Nur Insyirah Amani Binti Sharuddin, Muhammad Adam Firdaus Bin Mohd Fadly, Durrani Aimi Binti Abdul Malik

Category: Skill Centre

BOOTH ID	TITLE	PARTICIPANTS
29	MULTI-HEAD AXIS PRO (M-HAP) (2 LASER ENGRAVING & 1 PEN DRAWING MACHINE)	Dr. Azman Bin Talib, Dr. Norazlina Binti Ahmad, Dr. Setiawan Bin Hardono, Ts. Mohd Sallehin Bin Abas, Abdul Salam Bin Saad, Kamarul Faiz Bin Mihaj

Category: Undergraduate

BOOTH ID	TITLE	PARTICIPANTS
4	STUDYBUDDY - CONNECTING TO SUCCESS	Muhammad Hafizuddin Bin Hamsah, Muhamad Idaham Umar Ong, Mohamad Syahmi Zufayri Bin Mustari
15	MALAY AUTOMATIC SPEECH RECOGNITION THROUGH INFERENCE WITH WHISPER PRE-TRAINED MODELS	Mr. Clement Tai Zhi Quan
19	UMPSA SMART NAVI: A WEB-BASED NAVIGATION SOLUTION FOR FACULTY OF COMPUTING	Ts. Dr. Kohbalan Moorthy, Ahmad Haziq Bin Mohamad
20	SMART KEYLESS MOTORCYCLE SECURITY SYSTEM USING RFID TECHNOLOGY	Ts. Dr. Kohbalan Moorthy, Muhammad Syahir Bin Mohamed Salim, Ts. Dr. Azlee Bin Zabidi
26	JOMSCAN (CURRENCY HERITAGE EXPLORER)	Kamaleshwahrran Naidu, Ik Shim A/P Eh Fhot, Mohamad Izzat Anis Bin Eusoff, Muhammad Ezam Bin Fauzi, Nurul Ishafira Bt Ismail

BOOTH ID	TITLE	PARTICIPANTS
27	GOOLANCER:A MOBILE APP ENHANCING FREELANCER-CLIENT COLLABORATIONS IN MALAYSIA'S CREATIVE GIG ECONOMY	Shatthiya Ganes A/L Sivakumaran, Ts. Azma Binti Abdullah, Yattish A/L Jaya Nanda Kumar, Muhammad Amir Mohamed Ali, Muhammad Khairul Azfar Mowardi
33	AQUAGUARD: REAL-TIME DROWNING DETECTION SYSTEM USING COMPUTER VISION FOR ENHANCED CHILD SAFETY	Yesaya Rudolf Susanto Widyanto, Tirza Aurellia Wijaya, Sulhan Fuadi, Alvin Haristiano, Indah Nurul Janah
36	LOCATION TRACKING ATTENDANCE SYSTEM	Nurfadhilah Binti Sapongi, Muhammad Danish Ho Bin Muhammad Danial, Amal Marsha Binti Shahifol Arbi, Muhammad Lutfil Hadi Bin Mohd Azian, Nur Aishah Nieza Bt Zainurin, Muhammad Khallis Syahir Bin Shahrman
37	VIRTUAL CAR CUSTOMIZER AND MAINTENANCE TRACKER	Vikneshwaran Murugaian, Shanjaay, Wong Jia Jun, Thye Li Xian, Kunalan
38	STUDENT ACTIVITY MANAGEMENT SYSTEM	Nur Fadhilah Binti Sapongi, Muhammad Aiman Bin Zahir, Muhammad Aiman Bin Zaharudin, Mohamad Zaiful Bin Mohd Zafarin, Muhamad Alif Hakim Bin Hashim, Taqris Hakim Bin Ikram Hakim
40	TERENGGANU BLOOD DONATION CLUB INFORMATION SYSTEM	Nurul Suhailamarianie Binti Abdul Rahman, Ts. Dr. Nur Sukinah Binti Haji Aziz, Nurul Ain Nabila Binti Shamsul Abdillah
41	ASSISTIVE LEARNING HUB	Muhammad Hazriq Hakim Bin Sukimi, Ts. Dr. Nur Sukinah Binti Haji Aziz, Puteri Balqis Damia Binti Noor Aslizan, Nurain Zafirah Binti Zailan, Nur Syauqina Binti Mohd Suhaimi
42	MULTIMEDIA FUSION	Ikhwan Syafiq Bin Mohamad Shaipudin, Ts. Dr. Nur Sukinah Binti Haji Aziz, Nur Izzah Mardhiah Binti Shaharin, Nur Hanani Binti Azmi, Nur Afiqah Binti Fadhlan
49	GAMIFICATION APPLICATION DYSLEXIA SCREENING TEST	Ts Dr. Nur Shazwani Binti Kamarudin, Muhammad Khairul Anam Bin Mohd Khairi, Nur Syafiqah Binti Mohd Nafis
55	MULTI-FACE RECOGNITION: AI-BASED STUDENT ATTENDANCE SYSTEM	Abdul Razzaq Bin Abdul Aziz, Mohd Hafiz Bin Mohd Hassin, Zarina Binti Dzolkhifli
61	AIMI – AN AI-DRIVEN VIRTUAL COMPANION FOR ENHANCED USER INTERACTION	Chui Leng Fung, Lim Qi Loong
63	APPLICATION OF MACHINE LEARNING IN ROAD SIGN DETECTION AND AUDIO ANNOUNCEMENT SYSTEM IN MALAYSIA	Mohammed Mysara Eissa, Hitham Seddig Alhassan Alhussian - Ap Dr (ACAD/UTP), Said Jadid A Kadir - Ap Ts Dr (ACAD/UTP)
70	HERO IN FIRE : A 3D GAMES SIMULATION-BASED TRAINING FOR FIRE EVACUATIONS	Tee Kai Loon, Siti Normaziah Ihsan, Nurul Ishafira Ismail
82	ROGUE ACCESS POINT: DETECTION AND PREVENTION	Ahmad Musyir Bin Abd Wahab, Abdullah Bin Mat Safri

BOOTH ID	TITLE	PARTICIPANTS
83	CYBERVR: CYBERSECURITY AWARENESS SIMULATOR	Amirul Aidil Bin Hasnul Azan, Mohd Faizal Bin Ab Razak, Nor Saradatul Akmar Binti Zulkifli, Danakorn Nincarean A/L Eh Phon, Ahmad Firdaus Bin Zainal Abidin, Mohamad Danial Nabil Bin Mohamad Yusof
84	CO-CURRICULAR ACTIVITIES SCHOOL MANAGEMENT SYSTEM (CASMS) FOR PRIMARY SCHOOL: CASE STUDY OF KESUMBA	Ts. Dr. Nur Shamsiah Abdul Rahman, Tan Kha Hui, Muhammad Afiq Ammar Murad, Tengku Farisha Elliana Tengku Hamzah
87	2D CHEMISTRY EDUCATIONAL GAME FOR SCIENCE STREAM SECONDARY STUDENTS (GAME-ISTRY)	Foon Yul Xin, Tuty Asmawaty Binti Abdul Kadir
88	NGODAR	Muhamad Ilyasak Bin Abdul Latiff, Asmawi Aiman Mohd Sani, Wardah Tihani Binti Zulkarnain, Siti Khadijah Binti Mohammad, Siti Nor Ain Natasya Binti Mohammad Sauffi, Nur Sofia Balqis Binti Rospi
90	AI-DRIVEN FILTERING SYSTEM FOR IKAN BANDARAYA	Ts. Dr. Nur Shazwani Kamarudin, Ts. Dr. Hoh Wei Siang, Nur Safia Khairunnisaq Binti Badrulhisyam, Lee Xin Yee, Yonn Si Kee
92	RECYCLE WISE MOBILE APPLICATION: AN AUGMENTED REALITY AND AI-POWERED RECYCLING ASSISTANT WITH OBJECT DETECTION AND CHATBOT INTEGRATION	Jimmy Tang Jing Ming, Ts. Dr. Hoh Wei Siang, Tai Xiao Ying, Loh Min Er, Andrew Chee Zhi Yuen, Connie Soh Ker Nie
93	AI-ENHANCED HANDWRITING ANALYSIS FOR AUTISM SPECTRUM DETECTION	Nurul Af-iedah Binti Ali, Aziman Bin Abdullah
94	CAMPUS CAFE INSIGHT : AI DRIVEN RATINGS FOR QUALITY AND SATISFACTION	Nurul Farah Adibah Binti Ahmad Noh, Aziman Bin Abdullah
97	HALCYON	Edward Nathan Samuel
98	"NEXT GENERATION SMART ACADEMIC TRANSCRIPT POWERED WITH GEN-AI"	Ts. Aziman Bin Abdullah, Nur Alia Aisyikin Binti Mohammad Padeli, Anusriy A/P Arasumany, Fatin Najwa Binti Abu Hassan, Muhammad Amirul Bin Khairu Anuar, Muhammad Nurzul Abqari Bin Norazhar
100	I-UMAYYAH	Dr.Siti Nuroni Binti Mohamed, Abdul Kadir Bin Ahmad Marzuki, Muhammad Syahmi Bin Mohamad Sabri, Muhammad Farhan Bin Kamaruzaman, Nurul Widad Fitri Binti Muhammad

Category: Postgraduate

BOOTH ID	TITLE	PARTICIPANTS
21	WAFAS INTEGRATED DEVELOPMENTAL MATRIX (WIDEM)	Aabidah Binti Ab Ghani, Dr. Ngahzaifa Binti Ab Ghani
30	SMART APPLICATION TO IDENTIFY LAND SUITABLE FOR PLANTING FOOD CROPS BASED ON SOIL IMAGERY	Assoc. Prof. Dr. Agung Ramadhanu, S.Kom., M.Kom., Assoc. Prof. Dr. Muhammad Ridwan, S.E., M.M., Sitti Rizki Mulyani, S.Pd., M.M., Halifia Hendri, S.Pd., M.Kom., Dr. Mardison, S.Kom., M.Kom., Dr. Larissa Navia Rani, S.Kom., M.Kom.
80	A STUDY ON VISUAL ANALYTICS ADOPTION IN MULTI-DIMENSIONAL LEARNING ENGAGEMENT SYSTEM (MDLES)	Pang Jieyu, Aziman Bin Abdullah
85	A BROWN BEAR BASED OPTIMAZATION FOR TEST REDUNDANCY REDUCTION	Roslina Mohd Sidek, Prof. Kamal Z. Zamli, Dr Kader, Rozlina Mohamed
86	AIRW - AN INTELLIGENT RESEARCH PARTNER	Zaber Al Hassan Ayon, Dr. Nur Hafieza Binti Ismail
89	WEB PAGE CLASSIFICATION BASED ON RECURSIVE CONVOLUTIONAL NEURAL NETWORK (CNN) AND WORD CLOUD IMAGE	Siti Hawa Binti Apani, Ts. Dr. Jamaludin Bin Sallim, Ts. Dr. Rozlina Binti Mohamed, Ts. Dr. Azlee Bin Zabidi
95	ENHANCING THE QUS FRAMEWORK FOR IMPROVING THE QUALITY OF USER STORIES IN AGILE SOFTWARE DEVELOPMENT	Siti Nur Fathin Najwa Binti Mustaffa
96	AI-POWERED CNN SYSTEM FOR EARLY SKIN DISEASE DETECTION AND DIAGNOSIS	Mohd Arfian Bin Ismail, Ekramul Haque Tusher, Muhammad Farhan Bin Abdul Wahab
101	QUICK SCREEN: EXPERT GUIDED AUTISM TRAITS PREDICTOR	Ts. Ainie Hayati Binti Noruzman, Sr. Ts. Dr. Ngahzaifa Binti Ab Ghani, Ts. Dr. Nor Saradatulakmar Binti Zulkifli, Ts. Azlina Binti Zainuddin

Category: Open

BOOTH ID	TITLE	PARTICIPANTS
3	SMART COMPOSTING IN AUGMENTED REALITY: EFWC'S GREEN EDUCATION BREAKTHROUGH	Dr. Okta Nurika, Dr. Nor Asiah Binti Mohamad @Razak, Profesor Dr. Che Zalina Binti Zulkifli, Hasnatul Nazuha Binti Hassan, Dr. Mad Helmi Bin Ab. Majid, Dr. Sumayyah Binti Dzulkifly
14	CBIR APPROACH FOR BIOMETRIC SECURITY USING RGB HISTOGRAM IN COLOUR FEATURES EXTRACTION	Dr. Muhammad Naim Bin Abdullah

BOOTH ID	TITLE	PARTICIPANTS
16	SMART BUILD CARBON PREDICTOR	Dr Rufaizal Bin Che Mamat, Dr Azuin Binti Ramli, Aminah Bibi Binti Bawamohiddin
23	INTELLIGENT LOCKING SYSTEM FOR WEAPON RACK (IWTR)	Normawar Binti Ali, Norshahidah Binti Manaf
31	CONTROL MEASURES OF HAZARD MANAGEMENT AND RISK ASSESSMENT WITH MIXED REALITY APPLICATION	Dr Nadia Hanim Binti Abd Rani, Ruzita Binti Md Yusoff, Noor Rafidah Binti Md Osman, Normawar Binti Ali, Norshahidah Binti Manaf
48	GAIT EMOTION IN CHARACTER ANIMATION	Ts. Dr. Siti Khadijah Binti Ali, Choy Xiao En
50	HILIGHT SYSTEM (RISK ASSESSMENT MANAGEMENT SYSTEM)	Mohd Izdham Bin Mohd Yuni
51	PHOTOGRAPHER	Fabiha Khanam Siddiqua
52	AWARENESS OF ISO 27001:2018 AS A CAUTIOUS MECHANISM FOR SECURITY RISK MANAGEMENT	Ts. Dr. Norhafizah Binti Ismail, Nazid Sarji
54	EMOVISION: DECODING AND VISUALISING EMOTIONS THROUGH DATA ANALYTICS	Assoc Prof. Dr. Pong Hon Keat, Dr. Choo Yen Lee, Tan Huey Wen, Dr. Logenthini A/P Mariappan, Nurshamine Nazira
71	SISTEM I-CLEAN - SISTEM PENGURUSAN HASIL TERTUNGGAK DAN SEKATAN BERPUSAT	En.Amirul Hafiz Bin Ngah, Pn.Azira Binti Azam, Pn.Mastura Binti Mokhtar, Pn.Siti Fatimah Nor Binti Abdul Rahim, Pn.Ezzati Nur Aq'alili Binti Zulkifli
74	TITLE OF INNOVATION IS KMTIFY	Mohd Asri Hakim Bin Mohd Rosdi, Engku Israruddin Bin Engku Ibrahim, Muhammad Hafizin Afif Bin Muhamad Ruhaidir, Puteri Mimie Izzaida Binti Mohd Ridzuan, Nur Ain Shahira Binti Zamri, Mazni Binti Abdul Rahim
91	HEAVY VEHICLE JACK DESIGN IMPROVEMENT FOR SME'S	Ts. Mohd Farizzal Bin Dolah Muhamad, Md Saifuddin Bin Md Yusop, Ts. Mohd Johari@Esa Bin Ibrahim, Ishak Bin Ibrahim@Yem





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