



# NATIONAL CONFERENCE ON EDUCATION AND NEW LEARNING TECHNOLOGIES (NCENT) 2025

*“Challenges and Innovations in the 4th Industrial Revolution (4IR) Era: Strive Towards Educational Excellence”*

## PARALLEL SESSION 2 (2:00 PM – 4:00 PM)

Session 2 : 2:00 pm – 4:00pm  
Venue : Room BK 4-18 (Level 3)  
Sub-Theme : Latest Teaching and Learning Technology  
Moderator : Ms. Nurfarahin Afina Binti Fadzil

| No | PAPER ID | PRESENTER                 | PAPER TITLE   | TIME    |
|----|----------|---------------------------|---|---------|
| 1  | 125-107  | Yit Jing Ee               | Advancing Solar Energy Education: Assessing the Impact of Virtual Reality Learning Modules on Comprehension with Photovoltaic and Thermal Concepts                      | 2:00 pm |
| 2  | 105-084  | Bamidele Victor Ayodele   | Revolutionizing Teaching and Learning of Material Science and Engineering in Chemical Engineering: The Impact of Generative AI  | 2:15 pm |
| 3  | 128-102  | Chin Sook Fui             | Integrating Generative Artificial Intelligence (AI) in Higher Education through Community Service: A Case Study   | 2:30 pm |
| 4  | 053-030  | Iffah Rodhiyah Mohd Yunus | Kesedaran Penggunaan Aplikasi Berasaskan Kecerdasan Buatan (AI) Dalam Kalangan Pelajar Diploma Pengurusan Sumber Manusia Semester 5 di Kolej Poly-Tech MARA, Batu Pahat | 2:45 pm |
| 5  | 127-099  | Abdul Halim Abdul Rahman  | Transforming Student Engagement in STEM Education with the Metaverse  | 3:00 pm |
| 6  | 124-098  | Kishore Bingi             | Bridging Theory and Practice in Control Systems Education: A Multimodal Approach for Enhanced Learning  | 3:15 pm |
| 7  | 047-028  | Fairuzy Ab Hadi           | Penggunaan Gamifikasi Dalam Membantu Pelajar Menguasai Kursus Ekonomi   | 3:30 pm |
| 8  | 096-074  | Okorie Ekwe Agwu          | Challenges in Applying Generative AI to Engineering Education: A Study of Possible Interventions  | 3:45 pm |

Session 2 : 2:00 pm – 4:00pm  
 Venue : Room BK 4-19 (Level 3)  
 Sub-Theme : (i) Latest Teaching & Learning Technologies  
 : (ii) Literacy and Culture  
 Moderator : Ms. Nurfuady Binti Ahmad

| No | PAPER ID | PRESENTER                     | PAPER TITLE   | TIME    |
|----|----------|-------------------------------|---|---------|
| 1  | 175-149  | Nurul Fathiyah Kamarul Bahrin | Exploring Educators' Insight on Education 4.0: Transforming Secondary Education                                     | 2:00 pm |
| 2  | 083-079  | Nadirah Harun                 | Keberkesanan Pembelajaran Berasaskan AI dalam Kalangan Pelajar Diploma in Computer Science (CC104) KPTMAS           | 2:15 pm |
| 3  | 180-152  | Tigabwa Yosef Ahmed           | Immersive Technology in Chemical Engineering and Chemistry Education: Promise, Practice, and Challenges             | 2:30 pm |
| 4  | 086-064  | Noor Hilyati Alilah           | Beyond the Textbook: The Effectiveness of MindTap in Promoting Self-Centered Learning (SCL) and Academic Efficiency | 2:45 pm |
| 5  | 154-132  | Intan Noorazlina Abdul Rahim  | The Impact of Sandbox Padlet on Classroom Management and Student Engagement   | 3:00 pm |
| 6  | 060-039  | Bokhoree Lamdoh               | Education Inequality In Southern Thailand: Perspectives From Elementary School Teachers                             | 3:15 pm |
| 7  | 060-034  | Nuur Yasirah Yassim           | Family Roles in Supporting Children's English Language: A Case Study of B40 Families                                | 3:30 pm |
| 8  | 060-036  | Salmeeyah Phosaji             | The Homeschooling Decision: Insights from Minority Parents in Thailand's Elementary Education                       | 3:45 pm |

Session 2 : 2:00 pm – 4:00pm  
 Venue : Room BK 4-20 (Level 3)  
 Sub-Theme : Other Related Areas  
 Moderator : Ms. Nurshafina Binti Ahmad Sofian

| No | PAPER ID | PRESENTER                          | PAPER TITLE   | TIME    |
|----|----------|------------------------------------|---|---------|
| 1  | 043-025  | Ahmed Abdul Malik                  | Mediating effect of Off Job Training between Quality Culture and Employee Job Performance   | 2:00 pm |
| 2  | 077-056  | Amanpreet Kaur<br>Gurdarshan Singh | Strategies to Reduce First Language Influence on English Tense Writing Among Malaysian Secondary Students   | 2:15 pm |
| 3  | 082-060  | Izura Masdina<br>Mohamed Zakri     | Revolutionizing Legal Education: Adapting Pedagogical Strategies to Meet the Expectations of Today's Digital Learners   | 2:30 pm |
| 4  | 075-078  | Norasyikin<br>Mohaiyuddin          | e-Counseling in the 4IR Era: Challenges, Innovations for Educational Excellence   | 2:45 pm |
| 5  | 043-026  | Ahmed Abdul Malik                  | The Effect of Upward Communication on On-The-Job Training Mediated by Employee Well-Being   | 3:00 pm |
| 6  | 176-151  | Nur Fadlizawati Isa                | Fostering Tax Compliance Through Education: A Study on Awareness Among Kolej Poly-Tech MARA Students  | 3:15 pm |
| 7  | 172-150  | Nor Maizura Ibrahim                | Hospitality Inclusive Program (HIP) Langkawi: Satu Kajian Konseptual Model Kolaborasi Pendidikan, Industri dan Komuniti dalam Meningkatkan Kebolehpasaran Pelajar Berkeperluan Khas | 3:30 pm |
| 8  | 020-019  | Farihana Abdul Razak               | Assessing Students' Familiarity with the Legal Term 'Separate Legal Entity'   | 3:45 pm |

Session 2 : 2:00 pm – 4:00pm  
 Venue : Room BK 4-21 (Level 3)  
 Sub-Theme : (i) Other Related Areas  
 : (ii) Research in Theory & Practice  
 Moderator : Mr. Nazirul Azwan Bin Ab Rahman

| No | PAPER ID | PRESENTER                             | PAPER TITLE   | TIME     |
|----|----------|---------------------------------------|---|----------|
| 1  | 129-114  | Walid Yunu<br>Wongsakorn<br>Maneewong | Brand Awareness Enhancement for Small Businesses in the Digital Age: A Case Study of D-Kampung Coffee at Albukhary International University | 02:00 pm |
| 2  | 020-011  | Farihana Abdul Razak                  | Teaching Legal Terminology “Bona Fide” to Accounting Students   | 2:00 pm  |
| 3  | 135-110  | Vorathin Epin                         | Car Parking System Implementation Using PLC Fiddle as an Online Learning Tool   | 2:15 pm  |
| 4  | 114-093  | Muhamad Firdaus<br>Ahmad Fauz         | The Insight of Trainee Teachers on The Usage of Cognitive-Based Assessments on Second Language Learning                                     | 2:30 pm  |
| 5  | 142-118  | Mohamad Firdaus<br>Mohamad            | Mata Pelajaran Umum Penghayatan Etika dan Peradaban Pamacu Kepada Pembentukan Perpaduan Baharu Menerusi Pendidikan                          | 2:45 pm  |
| 6  | 152-131  | Salmaliza Salleh                      | Evaluating the Effectiveness of Scrum-Based Learning in Engineering Education Via Gibbs' Reflective Cycle                                   | 3:00 pm  |
| 7  | 063-046  | Nor Asikhin Ishak                     | Meneroka Cabaran Guru Internship Bimbingan dan Kaunseling Dalam Pelaksanaan Kaunseling Kerjaya di Sekolah                                   | 3:15 pm  |
| 8  | IPH-004  | Norafni @ Farlina<br>Rahim            | Bibliometrics Analysis of Economics Teaching and Learning: Year 2000-2024   | 3:30 pm  |

Session 2 : 2:00 pm – 4:00pm  
 Venue : Room BK 4-22 (Level 3)  
 Sub-Theme : Teaching and Learning Innovation  
 : Technology and Innovation  
 Moderator : Ms. Nurul Yasmin Binti Mohd Yusof

| No | PAPER ID | PRESENTER                  | PAPER TITLE   | TIME    |
|----|----------|----------------------------|---|---------|
| 1  | IPH-005  | Mohammad Shafiq Ramli      | Academic Stress and Its Contributing Factors Among Multimedia Creative Students at Kolej Poly-Tech MARA Students  | 2:00 pm |
| 2  | IPH-006  | Nazirul Azwan Abdul Rahim  | Stress and Student Well-Being: A Quantitative Investigation Among TESL Students at Kolej Poly-Tech MARA Ipoh  | 2:15 pm |
| 3  | IPH-007  | Nur Fazirin Roslan         | Kesan Penggunaan Kaedah Wow-PEP Flipped Classroom (WPFC) terhadap Pencapaian Pembelajaran Kursus Mata Pelajaran Umum (MPU) Dalam Kalangan Pelajar Diploma | 2:30 pm |
| 4  | IPH-008  | Tahirah Tahir              | Perception of Interactive Basic Computer Concept using Smart AR among Diploma in Digital Marketing Students at KPTM Ipoh                                  | 2:45 pm |
| 5  | IPH-009  | Nur Anis Idayu Mohd Nor    | The Evaluation of User Experience (UX) About an Interactive Animated Comic of Paedophile Awareness for Children (i-ComPedo)                               | 3:00 pm |
| 6  | IPH-010  | Siti Noor Azilah Mohd Nawi | A Feasibility Study of The Digital Gallery Walk Flipped Classroom for Student Engagement Among Diploma Students   | 3:15 pm |
| 7  | IPH-011  | Wan Ainna Tasya Wan Azmi   | Forensic Acquisition of Text Message In Whatsapp Messenger  | 3:30 pm |
| 8  | IPH-012  | Ms. Hamizah Osman          | the impact of flipped classroom method in teaching the simple present tense: a case study at kolej poly-tech mara ipoh                                    | 3:45 pm |

Session 2 : 2:00 pm – 4:00pm  
 Venue : Room BK 4-23 (Level 3)  
 Sub-Theme : Technology and Innovation  
 Moderator : Ms. Haslina Binti Hisham @ Md Salleh

| No | PAPER ID | PRESENTER                    | PAPER TITLE  | TIME    |
|----|----------|------------------------------|--|---------|
| 1  | 144-120  | Hayyiratul Fatimah Mohd Zaid | Immersive VR-Based Training for Offshore Emergency Response: Enhancing HSSE Preparedness   | 2:00 pm |
| 2  | 163-161  | Zetti Adela Zolkepli         | LMS in Substitute Blended Learning: The Effectiveness and Its Future Proof Mechanism   | 2:15 pm |
| 3  | 165-159  | Apurav Krishna Koyande       | Fostering Collaborative Learning through Gamification tools  | 2:30 pm |
| 4  | 188-158  | Ashvaany Egambaram           | Enhancing Digital Twin Learning via Project-Based and Open-Ended Learning Approaches: A Case Study on Electric Vehicle Range Prediction Case | 2:45 pm |
| 5  | 189-156  | Siti Nur Shahida Ab Rahim    | Enhancing Entrepreneurial Education through Technology and Innovation for SPACE Students   | 3:00 pm |
| 6  | 173-146  | Khairul Naim Ahmad           | A Gamified STEM Activity Using Process Simulation to Explore Sustainable Energy Use at Home  | 3:15 pm |
| 7  | 062-140  | Jameson Malang               | Improving Student Outcomes in Foundation Mathematics Through Early Detection and Support   | 3:30 pm |
| 8  | 151-130  | Muhammad Abdullah Fazi       | Enhancing Legal Education through Technology: Integrating the Case Craft App to Improve Case Reporting Skills in the Classroom               | 3:45 pm |

Session 2 : 2:00 pm – 4:00pm  
 Venue : Room BK 4-24 (Level 3)  
 Sub-Theme : Technology and Innovation  
 Moderator : Ms. Maizatul Akmar Binti Mohd Amin

| No | PAPER ID | PRESENTER                        | PAPER TITLE   | TIME    |
|----|----------|----------------------------------|---|---------|
| 1  | 015-007  | Bala Krishnian Muniandy          | Exploring the Impact of a 5E-Flipped Learning Environment on Students' Learning Motivation: A Case Study of Medical Assistant Education | 2:00 pm |
| 2  | 146-125  | Dzulkarnain Zaini                | Augmented Reality (AR) application for enhancing safety protocols in Teaching and Learning  | 2:15 pm |
| 3  | 034-015  | Nayab Iqbal                      | Cheating has never been this easy! Faculty Perceptions of ChatGPT in Higher Education - A TAM-Based Qualitative Study                   | 2:30 pm |
| 4  | 109-088  | Khuraisah Mohd Nasir             | SWIFTSPEAK: Bridging Communication Gaps for Non-Verbal Autistic Individuals Through 4IR Technology                                      | 2:45 pm |
| 5  | 206-165  | Khairul Shafee Kalid             | Enhancing HSE Learning Through SafeLoad's Metaverse Simulation  | 3:00 pm |
| 6  | IPH-013  | Mohd Syafiq Imran<br>Abdul Rahim | Descriptive Analysis of MyKITS Usage Among Academicians in Kolej Poly-Tech MARA Ipoh for Marks Management                               | 3:15 pm |

Secretariat  
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