

# IIA 2025 Listing

| Entry ID                        | Organisation Name                                      | Title Of Innovation                                                                     | Awards Category                                                       | Innovators                                                                                                                                                                                                                                                                                  |
|---------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTE_2025_IIA_IDEA_PHYSICAL-0035 | ATech Solution Limited                                 | Teamtrics                                                                               | Social Innovations & Entrepreneur Management                          | Ko Chun Felix Cheung<br>Freddy Lam<br>Ken Li<br>Kim Hau<br>Han Ai Yin<br>Loise<br>Eki Rifaldi<br>Vianry Teguh<br>Pangemanan<br>Ariansyah Akbar<br>Lutfi Hilman Prasetya,<br>Ridwan Bachtiar<br>Tan Samuel Susanto<br>Muh Faris Alghozi<br>Akwari Fu<br>Jaceline Maria Angelika<br>Suki Wong |
| MTE2025_IIA_IDEA_VIRTUAL-0025   | Centre of Lipid Engineering & Applied Research (CLEAR) | Natural Collagen And Omega From Local Loma                                              | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Prof. Dr. Siti Hamidah<br>Mohd Setapar<br>Wong Lee Peng<br>Dr. Hasmda Mohd Nasir<br>Shaidatul Nur Wahidah<br>Muhamad Shah<br>Assoc. Prof. Sr. Dr. Sarajul Fikri Mohamed<br>Wan Mohd Husni Wan Jamal                                                                                         |
| MTE2025_IIA_IDEA_VIRTUAL-0014   | Cheng Shiu University                                  | Teaching-aid board games for young children                                             | Education Technology & Pedagogy                                       | Mei-Ling Chuang<br>Shi-Rong Wang<br>Yi-Xin Pan<br>Pei-Yun Huang<br>Xu-Rong Guo                                                                                                                                                                                                              |
| MTE2025_IIA_IDEA_VIRTUAL-0015   | Cheng Shiu University                                  | AIOT smart home pill box                                                                | Machinery, Equipment and Tools and Manufacturing Process              | Chia-En Li<br>Chun-Hsiung Lee<br>Bo-Xiang Chen<br>Zi-Xian Hong<br>Yu-Cong Huang<br>Yi-Chen Jiang                                                                                                                                                                                            |
| MTE2025_IIA_IDEA_VIRTUAL-0016   | Cheng Shiu University                                  | An Expandable Modular Internet of Things (IOT)-Based Temperature Control Power Extender | ICT                                                                   | Chun-Te Lee<br>Huang-Kuang Kung<br>Bonnie Hm Chen<br>Jui-Ling Hsieh<br>Bing-Kai Liao<br>Nai-Yu Chen                                                                                                                                                                                         |

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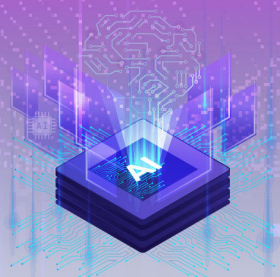
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|-------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTE2025_IIA_IDEA_VIRTUAL-0017       | Cheng Shiu University                                       | Gesture Unlocking-based Face Recognition System                                       | ICT                                                      | Sung-Tsun Shih<br>I-Cheng Li<br>You-Chen Liou<br>Qi Zhong<br>Ying-Hsuan Yeh<br>Guan-Lin Huang                                                                                                                                      |
| MTE2025_IIA_IDEA_VIRTUAL-0018       | Cheng Shiu University                                       | Intelligent energy-saving welding fume exhaust device                                 | Machinery, Equipment and Tools and Manufacturing Process | Yi-Hsien Lin<br>Yu-Zen Tsai<br>Na-Fu Wang<br>Ming-Kai Yeh<br>Vincent Hadianito<br>Dellis Tantonio                                                                                                                                  |
| MTE_2025_IIA_IDEA_PHYSICAL-0026     | China Medical University Children's Hospital                | Extended Reality based Simulation System for Lumbar Puncture                          | Education Technology & Pedagogy                          | Kai-Sheng Hsieh<br>Yu-Lung Hsu<br>Yi-Hsiang Liao<br>Nan-Hung Chen                                                                                                                                                                  |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0039 | City Council of Penang Island                               | Revolutionizing Disaster Management: Innovative Solutions for Resilience and Response | Disaster, Emergency and Crisis Management                | Tpr Gs. Mohd Bashir Bin Sulaiman<br>Sri Mageswari Pattel<br>Nasrul Nizam<br>Fazerudin                                                                                                                                              |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0013   | City Council of Penang Island                               | Revolutionizing Disaster Management: Innovative Solutions for Resilience and Response | Disaster, Emergency and Crisis Management                | Tpr Gs. Mohd Bashir Bin Sulaiman<br>Sri Mageswari Pattel                                                                                                                                                                           |
| MTE2025_IIA_IDEA_VIRTUAL-0009       | Collection light environment energy develop limited company | Solar Tracking Device                                                                 | Power and Electricity                                    | Yeu-Wen Chen                                                                                                                                                                                                                       |
| MTE2025_IIA_IDEA_VIRTUAL-0003       | DRB-HICOM University of Automotive Malaysia                 | Sustainable Foam (Waste to Wealth)                                                    | Energy & Green Technology                                | Assoc. Prof. Ts. Dr Ong Huei Ruey<br>Wan Mohd Eqhwan Iskandar<br>Assoc. Prof. Dr. Md Maksudur Rahman Khan<br>Ts. Ong Thai Kiat<br>Ts. Hong Chi Shein<br>See Kim Chee<br>Dr. Muhammad Khairul Anuar Mohamed<br>Dr. Ellie Yi Lih Teo |
| MTE2025_IIA_IDEA_VIRTUAL-0004       | DRB-HICOM University of Automotive Malaysia                 | Sustainable Smart Traffic Light System                                                | Building                                                 | Rosmaliza Binti Mat Yaacob<br>Muhammad Hazmie Bin Mohd Nazmi                                                                                                                                                                       |

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| MTE2025_IIA_IDEA_VIRTUAL-0005   | DRB-HICOM University of Automotive Malaysia | Development of Vehicle Fire Extinguisher System (VFES) for Passenger Vehicle | Aviation and Transportation                                           | Nur Fasehah Binti Ma'arop<br>Mario Reiner Ridi<br>Farys Hazlamy Bin Mohd Saiful Bahari                                                                                                                                                    |
| MTE2025_IIA_IDEA_VIRTUAL-0006   | DRB-HICOM UNIVERSITY OF AUTOMOTIVE MALAYSIA | Pyrolysis Of Biomass: The Reactor & Liquid Collection System                 | Energy & Green Technology                                             | Dr. Aizuddin Abdul Rahman                                                                                                                                                                                                                 |
| MTE2025_IIA_IDEA_VIRTUAL-0008   | Fooyin University                           | Nursing Board Game APP                                                       | Education Technology & Pedagogy                                       | Cheng-Han Lin<br>Huan-Je Wu<br>Tsai-Hsuan Lee<br>Yi-Yun Zhan<br>Jia-Xu Lii<br>Shi-Bang Guo                                                                                                                                                |
| MTE_2025_IIA_IDEA_PHYSICAL-0028 | Forest Research Institute Malaysia (FRIM)   | Tree Protection System (Lightning Arrester)                                  | Energy & Green Technology                                             | Wan Mohd Nafizul Hal-<br>Alim Bin Wan Ahmad<br>Ahmad Azaruddin B.<br>Mohd Noor<br>Mohd Nazrin Bin Mohd Arsat<br>Muhammad Haziq Bin Mohd Salleh<br>Sharifuddin Bin Samin<br>Liza Binti Ismail<br>Muhammad Syamim<br>Ikram Bin Shah Harudin |
| MTE_2025_IIA_IDEA_PHYSICAL-0030 | Forest Research Institute Malaysia (FRIM)   | Optimized bamboo hybrid pulp for medical moulded product application         | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Dr Rafidah Jalil<br>Dr Latifah Jasmani<br>Nur Areisman Mohd Salleh<br>Baharudin Kamaruddin<br>Mohd Shukri Said<br>Muzalina Muhamad<br>Siti Hawa Bakar<br>Hamsinah Hashim<br>Nur Aidiel Hakimi<br>Mazlizam                                 |
| MTE_2025_IIA_IDEA_PHYSICAL-0031 | Forest Research Institute Malaysia (FRIM)   | Cellulose nanopaper from Oil Palm Trunk (OPT) fibre                          | Energy & Green Technology                                             | Dr Rafidah Jalil<br>Dr Latifah Jasmani<br>Nur Areisman Mohd Salleh<br>Baharudin Kamaruddin<br>Mohd Shukri Said<br>Muzalina Muhamad<br>Siti Hawa Bakar<br>Hamsinah Hashim<br>Nur Aidiel Hakimi<br>Mazlizam                                 |

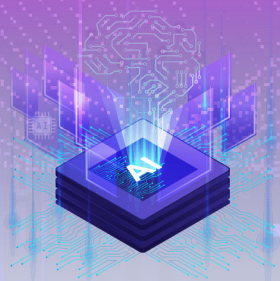
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| MTE2025_IIA_TANGIBLE_VIRTUAL-0003   | Grape King Bio Ltd.                           | Clostridium butyricum GKB7 can help slow down cartilage wear and the progression of degenerative arthritis. | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Chin-Chu Chen<br>Yen-Lien Chen<br>Shin-Wei Lin<br>Yen-Po Chen<br>Ci-Sian Wang<br>Tzu-Chun Lin                                                                                        |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0004   | Grape King Bio Ltd.                           | Use of Lactobacillus fermentum GKF3 for improving depression                                                | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Chin-Chu Chen<br>Yen-Lien Chen<br>Shin-Wei Lin<br>Yen-Po Chen<br>Szu-Yin Wu                                                                                                          |
| MTE2025_IIA_IDEA_VIRTUAL-0007       | Gwo Xi Stem Cell Applied Technology Co., Ltd. | Biomaterial Storage Device Having Observation Window                                                        | Machinery, Equipment and Tools and Manufacturing Process              | Ming-Hsi Chuang<br>Po-Cheng Lin<br>Wen-Peng Shen<br>Chi-Hsuan Chuang                                                                                                                 |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0006   | Gwo Xi Stem Cell Applied Technology Co., Ltd. | Food supplement increase CD34+ stem cells and telomerase activity                                           | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Po Cheng Lin<br>Horng Jyh Harn<br>Shinn Zong Lin<br>Pi Chun Huang                                                                                                                    |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0006 | Helwan University                             | Electricity Generation from Pure Green Hydrogen Produced from Desalinated Seawater                          | Energy & Green Technology                                             | Mohamed Ashraf Ahmed Desokey<br>Mohamed Gamal Hassan<br>Ahmed Mokhtar Ahmed<br>Moamen Mostafa Kamal<br>Mohamed Ashraf Ali Gazal<br>Mohamed Nabil Ghowaitat<br>Mohand Walid El Shahat |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0005   | Hughes Biotechnology Co., Ltd.                | Products developed through RenoSorb™ technology                                                             | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Ting-Fang Fang<br>Chen Hsu<br>Pen-Jui Chi                                                                                                                                            |



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| MTE2025_IIA_TANGIBLE_VIRTUAL-0027   | Institut Kemahiran MARA Johor Bahru (MARA)          | Solar Hybrid System Trainer 2.0                | Education Technology & Pedagogy                                 | Ir. Ts. Khameelrun Shah<br>Bin Mat Jamil<br>Norhatini Binti Ibrahim<br>Syarifah Binti Abd Rahim<br>Nur Amna Nafeesa Binti<br>Amy Azfarudin<br>Ridhwan Bin Roslan<br>Muhammad Farez<br>Muzameer Bin Md Haled                |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0019   | Institut Kemahiran MARA Kota Kinabalu (MARA)        | SEcure SOcket brACKET (SESOCKET)               | Power and Electricity                                           | Noorjairah Binti Mohd Jainudin<br>Allan Bin Yulius<br>Natisya Bte Chung Yun Fatt @ Supiyan<br>Mercylla Lukish                                                                                                              |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0017   | Institut Kemahiran MARA Seberang Perai Utara (MARA) | Windfar Energy                                 | Power and Electricity                                           | Ir. Ts. Shamsul Bin Mohad<br>Ir. Ts. Mohd Zikril Hakim<br>Bin Ismail<br>Mohd Shafie Bin Abd Ghani<br>Asrul Nizam Bin Abd Rahim<br>Fadzleen Binti Ramlee                                                                    |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0016   | Institut Kemahiran MARA Tan Sri Yahaya Ahmad (MARA) | Cerucuk Tiruan Siput Gondang Emas (SGE)        | Agriculture, Livestock & Horticulture, Aquacultures & Fisheries | Samsudin Bin Yahya<br>Fatanah Khatun Binti Ahmad @ Amzah<br>Siti Noorizkiah Binti Ahmad<br>Mastura Binti Zainun<br>Napisah Binti Sidik                                                                                     |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0016 | International Islamic University Malaysia           | STREPTOKIT: Rapid detection of Streptococcosis | Agriculture, Livestock & Horticulture, Aquacultures & Fisheries | Assoc. Prof. Dr. Nur Nazifah Mansor<br>Muhamad Faizal Bin Mohd<br>Mohd Syafiq Mohammad Ridzuan<br>Dr. Azila Abdullah<br>Dr. Siti Zahrah Abdullah<br>Asst. Prof. Mohd Firdaus Nawi<br>Assoc. Prof. Azzmer Azzar Abdul Hamid |

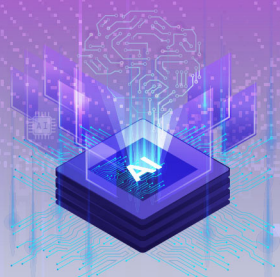


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| MTE2025_IIA_IDEA_VIRTUAL-0026       | IRTI                                     | Design and Development of an Intelligent Agricultural Accelerator Building: A Sustainable Architecture Approach with Artificial Intelligence Integration for Performance Optimization and Process Enhancement | Machinery, Equipment and Tools and Manufacturing Process | Alireza Jabarizadegan<br>Sara Mashhadban<br>Kouchak Saraei<br>Shabnam Narmizadeh<br>Anita Asadilour<br>Nazanin Borhani                                                                                                                          |
| MTE2025_IIA_IDEA_VIRTUAL-0027       | IRTI                                     | Urban Sustainable Air Mobility (Urban-SAM) Utilizing AI-Driven Data Analysis: A Sustainability-Oriented Approach to Aviation and Architectural Design                                                         | Aviation and Transportation                              | Alireza Jabarizadegan<br>Amitis Passandideh<br>Tiam Sharifnia<br>Mobina Asadi<br>Atena Sabaghian                                                                                                                                                |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0038 | JABATAN KASTAM DIRAJA MALAYSIA PUTRAJAYA | Customs Technology Surveillance System(CTSS)                                                                                                                                                                  | ICT                                                      | Mohd Ramlee Bin Musa<br>Azlan Bin Abu Bakar<br>Shaffahana Binti Shaffini<br>Hairulazuan Bin Hairullah<br>Normazlina Binti Nordin<br>Juwairiah Binti Hassan<br>Rosihan Bin Mohamed<br>Mohd Faizel Bin Dol<br>Hamid<br>Al-Anaq Qur'zham Bin Ramly |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0003 | Jabatan Tanah Dan Survei Sarawak         | Sarawak Control Monument (SARCOM)                                                                                                                                                                             | Social Innovations & Entrepreneur Management             | Mohd. Faizury Bin Abol Hassan<br>Mohammad Hurairah Bin Merjedi<br>Adeline Nani Anak Pak<br>Felix Schwarzenegger<br>Anak Gawing<br>Rachel Anak James<br>Priscilla Christopher<br>Kayan<br>Mohd. Azhan Faqeeem Bin Shaini<br>Vicky Lim            |

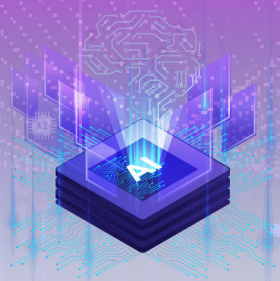
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| MTE_2025_IIA_IDEA_PHYSICAL-0002     | JABATAN TANAH DAN SURVEI, SARAWAK          | i-TELCOS (Intelligent Application Of Telecommunication Tower System)    | ICT                                                                   | Fairuz Bin Mohamed @ Bujang<br>Haji Mohammad Zunica<br>Bin Haji Mohamad Sapi'ee<br>Zelega Binti Razali<br>Nur Afiah Binti Jafri<br>Nazila Anak Won<br>Stella Anak Aman<br>Ts Hasrizan Bin Hanapi<br>Shariza Binti Spawi<br>Mohamad Bin Bohari |
| MTE2025_IIA_IDEA_VIRTUAL-0012       | Kaohsiung Chang Gung Memorial Hospital     | Improvement of Acupuncture Needles Using Supercritical Fluid Technology | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Yu-Chiang Hung<br>Ting-Chang Chang<br>Wen-Long Hu<br>Chien-Hung Lin                                                                                                                                                                           |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0017 | Khaya Ilham Sdn Bhd                        | Hellothere Soothing Cream: A Natural Solution for Skin Health           | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Mohd Tarmiezi Bin Abu Jahar<br>Nurulhusna Binti Md Jan<br>Muhammad Noor Yassin<br>Bin Mohd Yusof                                                                                                                                              |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0018   | Kolej Kemahiran Tinggi MARA Kuantan (MARA) | Campus Learning Outcome Attainment (CLOA)                               | ICT                                                                   | Nor Iryanti Linda Binti Jolis<br>Marsila Binti Md Sahat<br>Nazirah Binti Brahim<br>Rozie Binti Zakariah<br>Noor Maizatulakma Binti Kamaruddin                                                                                                 |
| MTE_2025_IIA_IDEA_PHYSICAL-0001     | LAND AND SURVEY DEPARTMENT SARAWAK         | Smart Patrol                                                            | ICT                                                                   | Nur Sabrina Binti Talif @ Len<br>Jeffery Anak Balai<br>Nor Hafiza Binti Abdullah<br>Ardy Bin Su'ut<br>Mohammad Zulhizam Bin Hanafi<br>Norliza Binti Arbi<br>Intan Qurratu 'Aini Binti Zainurin<br>Marcellinus Bin Blazes                      |



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| MTE_2025_IIA_TANGIBLE_PHYSICAL-0001 | Land and Survey Department Sarawak          | Retrace-Sketching Boundary Solutions               | Social Innovations & Entrepreneur Management | Siti Nabilla Binti Borhan<br>Mohamad Norfaisal Bin Gani<br>Wan Noorazalan Bin Wan Pauzi<br>Janeta Gee Anak Alek<br>Jemica Tasnim Binti Stan<br>Jerryson Dunggat Anak Johny<br>Mohammad Nurul Hafiz Bin Holi<br>Masazizul Bin Suhaili                                                                                                               |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0015   | MAJLIS PERBANDARAN KUALA LANGAT             | MPKL Smart Shelter                                 | Energy & Green Technology                    | Ts. Haji Mazlan Bin Abdul Manap, A.I.S.<br>Lar. Muhammad Faisal<br>Hilmi Bin Jamaluddin<br>Muhammad Aiman<br>Syahmi Bin Kamaruzaman<br>Muhammad Muzer Bin Soderi<br>Siti Aminah Binti Ahmad<br>Nor Syafida Binti Abd Rani<br>Hamimie Izzaty Binti Ahmad Mahmud<br>Adry Azmil Bin Aliyasham<br>Mohd Raizan Bin Marseri<br>Muhammad Rizal Bin Ajikin |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0021   | Maktab Rendah Sains MARA Bagan Datuk (MARA) | Huffaz Transition Module & MY UA IQRA Application  | Education Technology & Pedagogy              | Mohammad Nasiruddin Bin Mohd Tahir<br>Mohamad Hafiz Bin M.Omar<br>Ahmad Anas Azhari Bin Dzulfakhor Ali<br>Mohd Ersyad Bin Abdullah<br>Fatin Nadiah Thaqifah Binti Shahrman                                                                                                                                                                         |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0026   | Maktab Rendah Sains MARA Bentong (MARA)     | Intensive Module in Mechanical Engineering Studies | Education Technology & Pedagogy              | Nur Hareny Binti Abdullah<br>Ahmad Nizam Bin Selamat<br>Mohd Fadzil Niza Bin Abang<br>Md Izran Bin Rusdi                                                                                                                                                                                                                                           |



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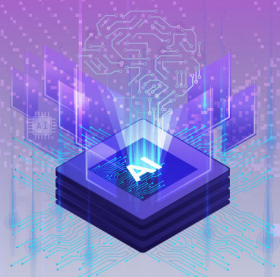
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| MTE2025_IIA_TANGIBLE_VIRTUAL-0024   | Maktab Rendah Sains MARA Gerik (MARA)                             | QP-YD Model Kit                                                                                    | Education Technology & Pedagogy                                 | Wan Amirul Asyraf Bin Yusuf<br>Nursyahira Binti Mohammad<br>Nurul I'zzati Binti Baharul Wafi<br>Mohd Nazmi Bin Kamaruzzaman<br>Siti Athirah Binti Abdul Rahim                                                                                   |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0020   | Maktab Rendah Sains MARA Mersing (MARA)                           | Empowering Rural Communities Through Digitalization                                                | Social Innovations & Entrepreneur Management                    | Mustafa Omar Bin Ahmad<br>Mariani Binti Mohd Noh<br>Kartika Binti Firman<br>Muhammad Fikrullah Bin Umar<br>Abdul Rahim Bin Abdullah                                                                                                             |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0023   | Maktab Rendah Sains MARA Mersing (MARA)                           | MEKARGRO AMINO FOLIAR                                                                              | Agriculture, Livestock & Horticulture, Aquacultures & Fisheries | Kartika Binti Firman<br>Mohamad Faidi Bin Md Rizam<br>Abdul Rahim Bin Abdullah<br>Mustafa Omar Bin Ahmad<br>Nur Diyana Binti Md Sidek                                                                                                           |
| MTE_2025_IIA_IDEA_PHYSICAL-0013     | Malaysian Agricultural Research & Development Institute (MARDI)   | Cultured VitAto Drink: Advancing Functional Wellness and Sustainable Plant-Based Innovation        | Agriculture, Livestock & Horticulture, Aquacultures & Fisheries | Dr. Musaalbakri Abdul Manan<br>Ainur Zunira Md Saad<br>Dr. Aminuddin Hussin<br>Nor Ajila Sani<br>Rawaida Rusli<br>Amsal Abd Ghani<br>Erny Sabrina Mohd Noor<br>Dr. Aida Hamimi Ibrahim<br>Dr. Siah Watt Moey                                    |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0025 | MALAYSIAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (MARDI) | Plant-Based Biopesticide: A Sustainable Product For Managing Aphid And Sweet Potato Virus Diseases | Agriculture, Livestock & Horticulture, Aquacultures & Fisheries | Dr. Razean Haireen Binti Mohd Razali<br>Dr. Norma Hussin<br>Dr. Norzainih Jasmin Jamin<br>Faizah Salvana Abdul Rahman<br>Rawaida Rusli<br>Fatin Nurliyana Ahmad<br>Che Ammar Abqari Che Husin<br>Ahmad Firdaus Maznan<br>Muhammad Faidhi Towhid |

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| MTE_2025_IIA_TANGIBLE_PHYSICAL-0027 | Malaysian Agricultural Research and Development Institute (MARDI) | MRQ107: New Fragrant Rice Variety For Parboiled Rice | Agriculture, Livestock & Horticulture, Aquacultures & Fisheries | Dr. Asfaliza Ramli<br>Hamidah Mohd Sarif<br>Dr. Elixon Sunian@Elixson Sulaiman<br>Zakiah Mohd Zuki<br>Shamsul Amri Saidon<br>Rahiniza Kamaruzaman<br>Heri Yanto Mustafa<br>Nor Sufiah Sebahew<br>Shajarutulwardah Mohd Yusob<br>Dr. Shahida Hashim<br>Dr. Siti Norsuha Misman<br>Mohd Fitri Masarudin<br>Kogeethavani A/P Ramachandran<br>Maisarah Mohamad Saad<br>Hanisa Hosni<br>Amir Syarifuddeen Mhd Adnan<br>Engku Hasmah Engku Abdullah                                                                                                                                                                                                                                                                                              |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0014 | Malaysian Agriculture Research And Development Institute (MARDI)  | Breaking Dependency: Malaysia's Homegrown Shallot    | Agriculture, Livestock & Horticulture, Aquacultures & Fisheries | Wan Rozita Binti Wan Engah<br>Mohamed Hafeifi Bin Basir<br>Suhanna Binti Ahmad<br>Zulaikha Binti Mazlan<br>Nur Syafini Binti Ghazali<br>Suhana Binti Safari<br>Emy Sabrina Binti Mohd Noor<br>Nurul Shamimi Binti Abd Ghani<br>Ariff Merican Bin Din Merican<br>Wan Mohd Aznan Bin Wan Ahamad<br>Mohd Nizam Zubir<br>Azlan Azizi Bin Muhammad Nor<br>Hafidha Binti Azmon<br>Mohd Shahmihazian Bin Mat Jusoh<br>Eddy Herman Bin Sharu<br>Zulhazmi Bin Sayuti<br>Nor Hazlina Binti Mat Saat<br>Masnira Mohammad Binti Yusoff<br>Najah Binti Yahaya<br>Mohd Zamri Bin Kamarudin<br>Mohamad Rais Bin Hasan<br>Norsyafiqah Binti Rosali<br>Muhammad Khairulnizam Bin Hamda<br>Muhammad Aliff Fitri Bin Azali<br>Firdaus Fahmi Bin Mohamad Sapar |

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| MTE_2025_IIA_TANGIBLE_PHYSICAL-0004 | Malaysian Cocoa Board                         | BIO-ACTION                                                                                                                                           | Agriculture, Livestock & Horticulture, Aquacultures & Fisheries       | Dr. Ishak Bin Zubir<br>Ernie Eileen Binti Rizlan Ross<br>Mohd Zulhilmi Bin Abdul Rahman<br>Lea Johnsiul<br>Ts. Dr. Norasekin Bt Tamchek<br>Roslina Binti Mohd Shah<br>Mohd Anuar Sharif                 |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0005 | MALAYSIAN COCOA BOARD                         | Cosmeceutical Products Made from Theobroma Cacao                                                                                                     | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Dr. Zainal Bin Baharum<br>Dr. Azila Binti Abdul Kariim<br>Pn. Rasma Suzielawanis<br>Binti Ismail                                                                                                        |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0015 | Malaysian Cocoa Board, Meraque Group Sdn. Bhd | Robotic Agro In Complex Environment (RACE) for Cocoa Autonomous Mechanization Field Management                                                       | Agriculture, Livestock & Horticulture, Aquacultures & Fisheries       | Mohamed Helmi Bin Shari<br>Ahmad Kamil Mohd Jaaffar<br>Mohammad Razali Ismail<br>Shari Fuddin Sha'ari<br>Farrah Ayuni                                                                                   |
| MTE_2025_IIA_IDEA_PHYSICAL-0003     | Management and Science University             | Design of Innovative Biosensors Application for the Detection of Diabetes and Cardiovascular Diseases                                                | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Dr Saeid Mezail Mawazi<br>Kinn Abass Bakon<br>Tan Zi Yin<br>Kenneth Koh Juin Long<br>Wong Chyi Siang                                                                                                    |
| MTE_2025_IIA_IDEA_PHYSICAL-0004     | Management and Science University             | Hero Cyber Safe Nation: A Platform for Enhancing Community's Knowledge and Awareness of Cybersecurity                                                | ICT                                                                   | Dr. Asma Mahfoudh<br>Hezam Al-Hakimi<br>Assoc. Prof. Ts. Dr. Asif Iqbal<br>Priwin A/L Sri Morgen<br>Durgasuany Maniraja<br>Mohamad Zulfahmy Bin Roslan<br>Ahmad Faizal Zulkipli<br>I Wayan Budi Sentana |
| MTE_2025_IIA_IDEA_PHYSICAL-0005     | Management and Science University             | Home-Based Busy Kit with Gamified Visual Sensory Activities: Enhancing Young Children's Motor Skills and Sensory Development for Preschool Readiness | Education Technology & Pedagogy                                       | Revathi Aruchunan<br>Dr. Yahya Abdullah<br>Lew Jia Hao<br>Muhammad Farid Adham<br>Bin Roslan                                                                                                            |

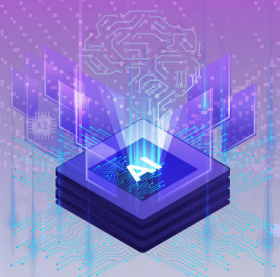


## IIA 2025 Listing

| Entry ID                            | Organisation Name                 | Title Of Innovation                                                                                                                                                  | Awards Category                                                       | Innovators                                                                                                                                                                                                                                                                 |
|-------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTE_2025_IIA_IDEA_PHYSICAL-0006     | Management and Science University | TrafficVision AI: Intelligent Traffic Monitoring System Powered by SD-YOLO Algorithm with Advanced Cybersecurity                                                     | ICT                                                                   | Assoc. Prof. Ts. Dr. Muhammad Irsyad Abdullah<br>Li Jiao<br>Assoc. Prof. Ts. Dr. Safaa Najah Saud Al-Humairi<br>Assoc. Prof. Ts. Dr. Asif Iqbal<br>Theebana A/P Durairajh<br>Dr. Adhes Gamayel<br>Assistant Professor<br>Dr. Mohammed Hazim Alkawaz                        |
| MTE_2025_IIA_IDEA_PHYSICAL-0007     | Management and Science University | Transfersosomal gel of Acaudina molpadioides for treating psoriasis-like dermatitis (ClearDina)                                                                      | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Dr. Santhra Segaran Balan<br>Associate Prof Dr. Hasnah Bahari<br>Dr. Fezah Othman<br>Dr. Haniza Harun<br>Dr. Nurzafirah Mazlan<br>Dr. Azrina Zainal Abidin<br>Mishalani Vijayakumaran                                                                                      |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0009 | Management and Science University | PIEZO-WALK: Harnessing Piezoelectric Generators for Sustainable Energy through Walking-Induced Kinetic Optimization                                                  | Energy & Green Technology                                             | Assoc. Prof. Ts. Dr. Safaa Najah Saud Al-Humairi<br>Dr. Nor Izzati Binti Ahmad Goh Wen Han<br>Shasha Firzanah Binti Mohamad Zahid<br>Mohammed Mubarak Salman Yashout                                                                                                       |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0011 | Management and Science University | Smart Epilepsy System: Wearable Biosensors with Location and Communication Features (EpiGuard)                                                                       | Sports, Leisure, Recreational Equipment, Active wear, Wearables       | Dr. Saeid Mezail Mawazi<br>Kinn Abass Bakon<br>Tan Zi Yin<br>Kenneth Koh Juin Long<br>Wong Chyi Siang                                                                                                                                                                      |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0012 | Management and Science University | Anti-Inflammatory, Anti-Apoptosis and Pro-Angiogenic Growth Factors Modulating Potentials of OriMili® (Cordyceps militaris Extract) in Treating Diabetic Retinopathy | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Muhammad Danial Bin Che Ramli<br>Dr. Syntyche Seow Ling Sing<br>Dr. Cheng Poh Guat<br>Dr. Noor Aishah Izham<br>Dr. Mahathir Mohd Uzid<br>Amanina Nurjannah Atan Hamdan<br>Dr. Hussin Bin Muhamad<br>Dr. Syahida Bt. Maarof<br>Dr. Zulkapli Bin Eshak<br>Dr. Nelli Giribabu |

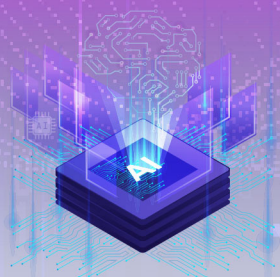
# IIA 2025 Listing

| Entry ID                            | Organisation Name                      | Title Of Innovation                                                                                         | Awards Category                                                 | Innovators                                                                                                                                                                                                                                                                                                     |
|-------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0013 | Management and Science University      | Greenally: An Intelligent System for Sustainable Management of Perishable and Disposable Resources          | ICT                                                             | Assoc. Prof. Ts. Dr. Muhammad Irsyad Abdullah<br>Amirudin Makin<br>Prof. Dato' Dr. Md Gapar Md Johar<br>Muhd Aldiansyah<br>Saiful Hakim Sullini<br>Assoc. Prof. Dr. Rabab Alayham<br>Prof. Puan Sri Datuk Dr. Junainah Abd Hamid<br>Dr. Rimuljo Hendradi                                                       |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0022   | MARA-Japan Industrial Institute (MARA) | Integrated Program Attainment Report (iPAR)                                                                 | ICT                                                             | Fatma Syazana Binti Zaini<br>Nur Amalina Binti Zainal Yuraimy Yakimin Bin Ab Talib<br>Zaid Bin Yaakob<br>Zalina Binti Zulkabli<br>Nor Azrinna Binti Muhamad                                                                                                                                                    |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0018 | MARDI                                  | MARDI Rice Varscan: A High-Throughput Tool for Accurate and Efficient Identification of Rice Varieties      | Agriculture, Livestock & Horticulture, Aquacultures & Fisheries | Mohd Shahril Firdaus Ab Razak<br>Alny Marlynni Abd Majid<br>Rahiniza Kamaruzaman<br>Azzami Adam Muhamad Mujab<br>Dr. Rabiatal Adawiah<br>Zainal Abidin<br>Dr. Norliza Tendot Abu Bakar<br>Mohd Zulfadli Sohaime<br>Anis Syazwani Kamarudin<br>Nur Syahirah Azmi<br>Siti Norhayati<br>Nor Syahira Mohamad Senin |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0021 | MARDI                                  | Induced Systemic Resistant (ISR) Technology: An Efficient Green Strategy To Control Blood Disease Of Banana | Agriculture, Livestock & Horticulture, Aquacultures & Fisheries | Dr. Ganisan Krishen<br>Nur Sulastri Jaffar<br>Salehudin Md. Radzuan<br>Sivanaswari Chalaparmal<br>Mohammad Fauzy Tambi<br>Sufyan Afzan Sabarudin<br>Siti Anis Syazwani Nordin<br>Nur Fadilah Abu<br>Muhammad Noor Azmie<br>Abdul Jalil Hasan                                                                   |



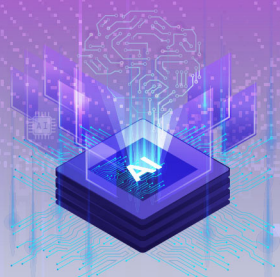
# IIA 2025 Listing

| Entry ID                            | Organisation Name                    | Title Of Innovation                                                                     | Awards Category                                                       | Innovators                                                                                                                                                                                                                                                                                   |
|-------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0008 | Muhammadiyah University of Surakarta | Empowering Brilliance                                                                   | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Muhammad Sidiq<br>Saminur Fauzan<br>Hafidh Erli Nurdin<br>Pratama<br>Arya Veda Setyanindito<br>Nabil Oktora Ramadhan                                                                                                                                                                         |
| MTE_2025_IIA_IDEA_PHYSICAL-0017     | Multimedia University                | Smart 5G IoT of Palm Oil Soil Properties Monitoring System                              | ICT                                                                   | Mardeni Bin Roslee<br>Khairil Anuar<br>Yasir Ullah<br>Tiang Jun Jiat<br>Shazrulnizam Huzairi Md Hashim<br>Harikrishna K.                                                                                                                                                                     |
| MTE_2025_IIA_IDEA_PHYSICAL-0025     | Multimedia University                | PulseWise: Next-Gen Heart & Lung Diagnostic                                             | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Ts. Dr. R Kanesaraj Ramasamy<br>Dr. Sivasutha Thanjappan<br>Dr. Faizal Amri Hamzah<br>Dr. Shamsuriani Bt Md Jamal<br>Nurul Azwaani Binti Salehuddin Haqe<br>Muhammad Abdullah Ejaz<br>Venushini A/P Rajendran<br>Assoc. Prof. Dr. Junaidi Bin Abdullah<br>Dr. Wan Noorshahida Binti Mohd Isa |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0019 | Multimedia University                | Cloud-Based Sleep Quality Monitoring System Using Pressure Sensor Grid                  | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Ts. Dr. Yeo Boon Chin<br>Prof. Dr. Lim Way Soong<br>Mr. Kong Keh Chueng<br>Ms. Ng Xue Nie                                                                                                                                                                                                    |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0026 | Multimedia University                | Immersive VR Joget: An Interactive Journey into Malaysian Dance Heritage                | Education Technology & Pedagogy                                       | Ts. Dendi Permadi<br>Teoh Sing Jian<br>Cheong Soon Nyeen<br>Prof. Datuk Ts. Dr. Ahmad Rafi Mohamed Eshaq<br>Mazlan Bin Mahadzir                                                                                                                                                              |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0029 | Multimedia University                | Non-Contact Capacitive-Based System for Environmental Water Monitoring and Surveillance | Protection of the Environment Water, Wastewater, Sanitation           | Prof. Dr. Lim Way Soong<br>Dr. Yeo Boon Chin<br>Dr. Emerson Raja<br>Lim Zhi Hao<br>Cavin Tong<br>Pee Pocherd<br>Lui Poh Wei                                                                                                                                                                  |



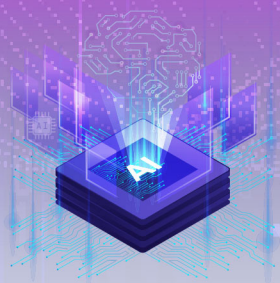
# IIA 2025 Listing

| Entry ID                            | Organisation Name                                    | Title Of Innovation                                                                           | Awards Category                                             | Innovators                                                                                                                                                                                                                                   |
|-------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0020 | Multimedia University (MMU)                          | J.A.R.S: Jayden's Augmented Reality Story Boardgame                                           | Education Technology & Pedagogy                             | Vincent Chan<br>Dr. Yeow Jian Ai<br>Tai Hen Toong<br>Cheryl Chan<br>Cedric Choong Ee Chun<br>Lim Siok Jin                                                                                                                                    |
| MTE_2025_IIA_IDEA_PHYSICAL-0027     | NanoMalaysia Berhad                                  | AQUENE: A Heat Transfer Fluid Transforming Water In Cooling Systems To Save The Planet        | Energy & Green Technology                                   | Ir. Bernard Sagaiyaraj<br>Navien Sridaran<br>Nabila Sofea Binti Zawawi<br>Dr. Rezal Khairi Ahmad<br>Ts. Dr. Daniel Bien<br>Davinder Singh Sithwanta Singh<br>Nur Lili Suraya Ngadiman<br>Dr. Anis Zafirah Mohd Ismail                        |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0023 | NanoMalaysia Berhad                                  | Organic Conductive and Thermal Paste for Electronics Applications                             | Advanced Materials                                          | Ts. Norhaizam Mustaffa<br>Prof. Dr. Mohd Nizar Hamidon<br>Dr. Farah Nabilah Shafiee<br>Dr. Intan Helina Hasan<br>Ts. Dr. Daniel Bien Chia Sheng<br>Dr. Rezal Khairi Ahmad<br>A. Mulia Hafizayatullah Amiruddin<br>Nur Diyana Syazwani Zambri |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0028 | NANOMALAYSIA BERHAD                                  | The UV Car Disinfection System                                                                | Protection of the Environment Water, Wastewater, Sanitation | Dr. Rezal Khairi Ahmad<br>Farhan Haziq Azharollah Pannirselvam Velu<br>Ts. Dr. Daniel Bien Chia Sheng<br>A. Mulia Hafizayatullah Amiruddin                                                                                                   |
| MTE_2025_IIA_IDEA_PHYSICAL-0008     | National Cheng Kung University                       | Wearable Thermoelectric Emerging Green-Energy Technology for Remote Medical Care Applications | Power and Electricity                                       | Chia-Yun Chen<br>Ta-Cheng Wei<br>Kuan-Yi Kuo<br>Shih-Hsiu Chen                                                                                                                                                                               |
| MTE_2025_IIA_IDEA_PHYSICAL-0010     | National Penghu University of Science and Technology | Switching Device with Return Control Signals                                                  | ICT                                                         | Chia-Liang Lu<br>Chi-Heng Chung<br>Hao-Yu Fang<br>Cheng-Hsiang Chuang<br>Wen-Pao Chan<br>Cheng-Bin Nian                                                                                                                                      |



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| Entry ID                            | Organisation Name                                    | Title Of Innovation                                                                                                              | Awards Category                                                      | Innovators                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTE_2025_IIA_IDEA_PHYSICAL-0011     | National Penghu University of Science and Technology | Charging Device with Synchronously Monitored                                                                                     | ICT                                                                  | Chia-Liang Lu<br>Yan-Cing He<br>Jia-Feng Li<br>Bo-Wei Lin<br>Zheng-He Chen<br>Chen-Yuan Lu                                                                                                                                                                                                                                                                                                      |
| MTE2025_IIA_IDEA_VIRTUAL-0010       | National Yunlin University of Science and Technology | Kitchen Waste Conversion System                                                                                                  | Protection of the Environment, Energy, Water, Wastewater, Sanitation | Chih-Long Pan<br>Jet-Chau Wen<br>Cheng-Wei Xu<br>Qi-An Yang                                                                                                                                                                                                                                                                                                                                     |
| MTE2025_IIA_IDEA_VIRTUAL-0011       | National Yunlin University of Science and Technology | Modulation of Sr/ Ti Stoichiometry to Improve the Memory Performance of Strontium Titanate Write-Once-Read-Many Resistive Memory | Machinery, Equipment and Tools and Manufacturing Process             | Chih-Chieh Hsu<br>Chao-Wen Cheng<br>Xu-Wei Hong<br>Siu-Ming Wen<br>Kai-Zer Xiao<br>Li-En Liu                                                                                                                                                                                                                                                                                                    |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0031 | PETRONAS Gas Berhad                                  | Digital Management Asset Tracking (DMAT)                                                                                         | ICT                                                                  | Khairul Amri B M Rusadi<br>Nurul Athirah Abdullah<br>M. Aswad B. Ismail<br>M. Razali B. Haron<br>M. Asyraf Jamaluddin<br>Nazaruddin B. Jamaluddin<br>M. Muzakkir A. Rahman<br>M. Khairul Fitri Kamarul Bahrin<br>M. Norsirwan B. Othman<br>M. Najib B. Ahmad<br>M. Hafiz M. Yunus<br>M. Aiman Zakwan Roslan<br>Fazliana Bt. M. Ali<br>Muhamad Norsauful Adzhari Husni<br>M. Aiman Zakwan Roslan |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0034 | PETRONAS Gas Berhad                                  | Thermochromic Sticker for Hotspot Monitoring (BELUNGKOR project)                                                                 | Safety & Security                                                    | M. Azmil A. Aziz<br>M. Idris Haziq Mohammed Hilmi<br>Tengku M. Firdaus Raja Abdullah<br>Ku Aliff Azraii Ku Shairi<br>Abdullah Hafizuddin<br>Zainal Ariffin<br>Nazrin Zakaria                                                                                                                                                                                                                    |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0035 | PETRONAS Gas Berhad                                  | Automation of LNG Drain Spool System (LASPOOL Project)                                                                           | Protection of the Environment Water, Wastewater, Sanitation          | Ahmad Fattul Hadi<br>Faizul Hisham B. Samsury<br>Nizamuddin Sahubar Ali<br>Kelvin Emang Anyi<br>Luther Semi                                                                                                                                                                                                                                                                                     |

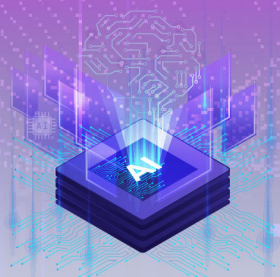


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|-------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| MTE2025_IIA_IDEA_VIRTUAL-0001       | POLITEKNIK SULTAN MIZAN ZAINAL ABIDIN      | SAR Smart Alert Rider                                                                                                                          | Safety & Security                                                     | Mohd Ridhuan Bin Ismail                                                                           |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0002 | Santai Technologies Sdn. Bhd.              | SantaiMoto: AI-Powered On-Demand Motorcycle Maintenance App                                                                                    | Aviation and Transportation                                           | Mohd Fadzle Bin Tan Sri Ismail<br>Irwan Lubis Bin Muktar<br>Eris Eka Saputra                      |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0010 | State Social Protection Fund of Azerbaijan | Revolutionizing social protection: Digital leap towards inclusive services for people with disabilities in Azerbaijan                          | Social Innovations & Entrepreneur Management                          | Prof. Dr. Elshad Khanalibayli<br>Mr. Fahmin Hajizada                                              |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0036 | SWS INNTECH SDN BHD                        | SWS Multi Pistol Storage MPS30                                                                                                                 | Safety & Security                                                     | Mandy Law<br>Raymond Law<br>Brian Khong<br>Joshua Martin                                          |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0037 | SWS INNTECH SDN BHD                        | SWS Smart Secure Safe IGV                                                                                                                      | Safety & Security                                                     | Mandy Law<br>Raymond Law<br>Brian Khong<br>Joshua Martin                                          |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0002   | SYNBIO TECH INC.                           | Lactiplantibacillus plantarum TWK10®<br>□A Dual-Action Probiotic Strain that Combats Muscle Aging for Sustainable Development of Healthy Lives | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Chia-Chia Lee<br>Han-Yin Hsu<br>Yi-Chu Liao<br>Jin-Seng Lin<br>Mon-Chien Lee<br>Chi-Chang Huang   |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0007   | Universitas Islam Indonesia                | ORCAV: Medical Imaging Service for Rural Areas in Indonesia                                                                                    | ICT                                                                   | Elbo Shindi Pangestu<br>Hari Setiaji<br>Irving Vitra Paputungan, Phd<br>Muhammad Nur Imansyah, Md |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0008   | Universitas Islam Indonesia                | Software-as-a-Service (SaaS) for IPv4-to-IPv6 Transition Using Generative AI and Ansible Automation Tool                                       | ICT                                                                   | Mukhammad Andri Setiawan, Phd<br>Elbo Shindi Pangestu                                             |
| MTE2025_IIA_IDEA_VIRTUAL-0023       | Universiti Kebangsaan Malaysia             | Revolutionising Disease Prediction and Diagnosis: Glycogen synthase kinase-3 beta (GSK3β) as a biomarker for Diabetes and Osteoporosis         | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Ts. Dr. Wong Sok Kuan<br>Sivasree Ravindran                                                       |

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|-------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0007 | Universiti Malaya           | NEVGRO® And Its Functional Metabolites For Spinocerebellar Ataxia Type 3                                           | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Assoc. Prof. Dr. Wong Kah Hui<br>Assoc. Prof. Dr. Lim Lee Wei<br>Ms. Nur Shahirah Binti Mohd Hisam<br>Madam Cheng Poh Guat<br>Dr. Lim Siew Huah<br>Mr. Mong Yih Kong<br>Dr. Syntyche Seow Ling Sing         |
| MTE_2025_IIA_IDEA_PHYSICAL-0012     | Universiti Malaysia Sarawak | Transparent ultrafiltration for peat water treatment (UPW)                                                         | Protection of the Environment Water, Wastewater, Sanitation           | Khairul Anwar Mohamad Said<br>Ap Ts. Dr. Md Rezaur Rahman<br>Mohamed Afizal<br>Mohamed Amin<br>Shaiza Asif<br>Anthonette James                                                                              |
| MTE_2025_IIA_IDEA_PHYSICAL-0014     | Universiti Malaysia Sarawak | FPGA DomoSync: A Smart & Efficient FPGA-based IoT Home Automation                                                  | ICT                                                                   | Ts. Shamsiah Binti Suhaili<br>Victoria Blessings Anak Bajau<br>Assoc. Prof. Dr. Norhuzaimin Bin Julai<br>Dr. Asrani Bin Lit<br>Ts. Dr. Maimun Binti Huja Husin<br>Ts. Dr. Mohamad Faizrizwan Bin Mohd Sabri |
| MTE_2025_IIA_IDEA_PHYSICAL-0015     | UNIVERSITI MALAYSIA SARAWAK | Student's Performance through the Implementation of Game in Teaching and Learning for Quantity Surveying Programme | Education Technology & Pedagogy                                       | Sr. Ts. Sitti Diana Tamjehi, Cqs<br>Sr. Nadia Zaini<br>Nur Adhuha Hussein<br>Sr. Dr. Wilson Rangga<br>Anak Anthony Jiram                                                                                    |
| MTE_2025_IIA_IDEA_PHYSICAL-0016     | Universiti Malaysia Sarawak | CakeH Chatbot – Soothing Booking Process                                                                           | ICT                                                                   | Dr. Ling Yeong Tyng<br>Tony Ting Koon Kian                                                                                                                                                                  |
| MTE_2025_IIA_IDEA_PHYSICAL-0022     | Universiti Malaysia Sarawak | Taboh: An Iban Traditional Musical Instrument in Your Pocket                                                       | ICT                                                                   | Sarah Flora Samson Juan<br>Ghaphney Sebi Sendry<br>Mohd Zulhafiz Rahim                                                                                                                                      |
| MTE_2025_IIA_IDEA_PHYSICAL-0024     | Universiti Malaysia Sarawak | Smart Ternary Photocatalyst for Clean Water: TiO <sub>2</sub> /ZnS/g-C <sub>3</sub> N <sub>4</sub>                 | Advanced Materials                                                    | Assoc. Prof. Dr. Devagi Kanakaraju<br>Ms. Aneshaa Binti Chandrasekaran<br>Assoc. Prof. Dr. Micky Ak Vincent                                                                                                 |

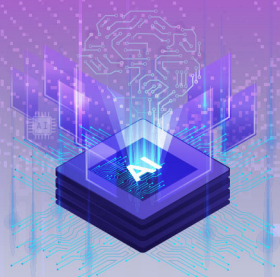


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|-------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0022 | Universiti Malaysia Sarawak             | SEED-EIA Sustainable Environmental Evaluation & Data Driven Environmental Impact Assessments                                     | Protection of the Environment Water, Wastewater, Sanitation          | Professor Ts. Dr. Shanti Faridah Salleh<br>Ts. Majina Binti Sulaiman<br>Ts. Dr. Josephine Lai Chang Hui<br>Dr. Lennevey Kinidi                                        |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0024 | Universiti Malaysia Sarawak (UNIMAS)    | Digital Repository: Digitisation of Endangered Material Knowledge of Blade Making Practices and Uses in Kuching, Sarawak         | Education Technology & Pedagogy                                      | Tracy Anak Peter Samat<br>Professor Paul Sillitoe<br>Professor Thomas Yarrow                                                                                          |
| MTE2025_IIA_IDEA_VIRTUAL-0002       | Universiti Malaysia Terengganu          | Eco-Friendly Ammonia Monitoring with Mango Leaf Sensors                                                                          | Protection of the Environment, Energy, Water, Wastewater, Sanitation | Hajar Rastegari                                                                                                                                                       |
| MTE_2025_IIA_IDEA_PHYSICAL-0032     | UNIVERSITI PENDIDIKAN SULTAN IDRIS      | Kurikulum Dan Modul Thalatha Tis'a                                                                                               | Education Technology & Pedagogy                                      | Assoc. Prof. Dr. Norazilawati Abdullah<br>Dr. Sakinah Salleh<br>Assoc. Prof. Dr. Mazlina Che Mustafa<br>Dr. Intan Farahana Abdul Rani<br>Assoc. Prof. Dr. Aslina Saad |
| MTE_2025_IIA_IDEA_PHYSICAL-0033     | Universiti Pendidikan Sultan Idris      | Transformative Lifelong Learning Module with a Futuristic Concept for the Professional Certification Program for Takmir Teachers | Education Technology & Pedagogy                                      | Saipolbarin Bin Ramli<br>Taj Rijal Bin Muhamad Romli<br>Mohammad Taufiq Bin Abdul Ghani<br>Zarima Binti Mohd Zakaria<br>Nazri Bin Atoh                                |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0032 | UNIVERSITI PERTAHANAN NASIONAL MALAYSIA | CENTROLOCK                                                                                                                       | ICT                                                                  | Syed Nasir Alsagoff Bin Syed Zakaria                                                                                                                                  |
| MTE_2025_IIA_TANGIBLE_PHYSICAL-0033 | Universiti Pertahanan Nasional Malaysia | Vehicle Telemetry Alert System                                                                                                   | Aviation and Transportation                                          | Ng Choy Peng<br>Syed Nasir Alsagoff Syed Zakaria                                                                                                                      |
| MTE2025_IIA_IDEA_VIRTUAL-0020       | Universiti Teknologi PETRONAS           | High Performance Harvesting Efficiency via Plant-Based Polymer                                                                   | Protection of the Environment, Energy, Water, Wastewater, Sanitation | Ts. Dr. Ho Yeek Chia<br>Ap Ts. Dr. Lam Man Kee<br>Chm Ts. Dr. Lim Jun Wei<br>Lim Mei Zhen<br>Ibrahim Muntaqa Tijjani Usman                                            |

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| Entry ID                          | Organisation Name             | Title Of Innovation                                                                                                                                 | Awards Category                                                       | Innovators                                                                                                                                                       |
|-----------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTE2025_IIA_IDEA_VIRTUAL-0021     | Universiti Teknologi PETRONAS | CVD-Tech (Control Valve Diagnosis Technology)                                                                                                       | Machinery, Equipment and Tools and Manufacturing Process              | Associate Professor Ir. Dr. Haslinda Zabiri<br>Dr. Bashariah Kamaruddin<br>Ahmad Azharuddin Azhari<br>Bin Mohd Amiruddin<br>Teh Weng Kean<br>Henry Yau Yong Soon |
| MTE2025_IIA_IDEA_VIRTUAL-0022     | Universiti Teknologi PETRONAS | REE recovery: Potential of commercializing Gas Hydrate based desalination Technology                                                                | Protection of the Environment, Energy, Water, Wastewater, Sanitation  | Assoc. Prof. Dr. Bhajan Lal<br>Abdulrab Abdulwahab<br>Mahyoub Salem<br>Almashwali                                                                                |
| MTE2025_IIA_IDEA_VIRTUAL-0024     | Universiti Teknologi PETRONAS | 3D Rayleigh-Marchenko Seismic Redatuming                                                                                                            | Energy & Green Technology                                             | Assoc. Prof. Ts. Dr. Abdul Halim Abdul Latiff<br>Abdul Rahim Md Arshad                                                                                           |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0009 | Universiti Teknologi PETRONAS | Smart Inner Tyre Tube Measuring Device                                                                                                              | Machinery, Equipment and Tools and Manufacturing Process              | Dr. Kishore Bingi<br>Dr. Madiah Omar<br>Prof. Ir. Dr. Rosdiazli Ibrahim<br>Dr. Arun Mozhi Devan<br>Panner Selvam<br>Ms. Angee Ng                                 |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0010 | UNIVERSITI TEKNOLOGI PETRONAS | Evolution Of Chemicals For Oil And Gas Future: Agricultural-Based Wax Inhibitors And Wellbore Cleaning Solutions Driving Net-Zero Carbon Innovation | Energy & Green Technology                                             | Ir. Dr. Hazlina Husin<br>Dr. Amni Haslinda Alpandi                                                                                                               |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0011 | Universiti Teknologi PETRONAS | Automated Construction Productivity Monitoring of Indoor Finishing Activities                                                                       | Building                                                              | Ap Ts. Dr. Wesam Alaloul<br>Dr. Khalid Mahmoud Al Zu'bi                                                                                                          |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0012 | Universiti Teknologi PETRONAS | Strengthening Trust: Blockchain Halal Technology                                                                                                    | ICT                                                                   | Asso. Prof. Ts. Dr. Norshakirah Abdul Aziz<br>Assoc. Prof. Ts. Dr. Mohd Fadzil Hassan                                                                            |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0014 | universiti teknologi PETRONAS | EDR-Net+ : Noise Invariant and Computationally Efficient Deep Neural Network Architecture for Diabetic Retinopathy Detection                        | Healthcare, Personal Care Technology, Biotechnology and Life Sciences | Dr. Ahmad Bukhari Bin Aujih<br>Prof. Dr. Tang Tong Boon                                                                                                          |



# IIA 2025 Listing

| Entry ID                          | Organisation Name                    | Title Of Innovation                                               | Awards Category                                                                                  | Innovators                                                                                                                                                                                                              |
|-----------------------------------|--------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTE2025_IIA_TANGIBLE_VIRTUAL-0025 | University Poly-Tech Malaysia (MARA) | E-Training Record Askar Wataniah (E-TRAW) System                  | ICT                                                                                              | Noornajwa Binti Md Amin<br>Siti Robaya Binti Jantan<br>Farah Farzana Binti Abdul Aziz<br>Ts. Dr. Airuddin Bin Ahmad<br>Mohamad Amirul Asri Bin Azmi<br>Mej Jeffridin Abu<br>Mej Ruhaizi Othman<br>Lt. M. Mur Asmila Alw |
| MTE2025_IIA_TANGIBLE_VIRTUAL-0001 | UTAR                                 | Design a smart IoT Rotating Bed for Amyotrophic Lateral Sclerosis | Healthcare, Personal Care Technology, Biotechnology and Life Sciences                            | Dr. Lee Poh Foong<br>Ginny Ngu Xiao Tong                                                                                                                                                                                |
| MTE_2025_IIA_IDEA_PHYSICAL-0034   | Wiser Machines Inc                   | AI Powered Predictive Maintenance                                 | Machinery, Equipment and Tools and Manufacturing Process (Heavy equipment, Industrial machinery) | Ibrahim Ghatila<br>Zaid Khan<br>Talha Khan<br>Hamza Khan                                                                                                                                                                |
| MTE2025_IIA_IDEA_VIRTUAL-0019     | Xiamen Unversity Malaysia            | Multi-terrian Ergonomic wheelchair                                | Healthcare, Personal Care Technology, Biotechnology and Life Sciences                            | Chen Jiarong<br>Lin Yuetong<br>Dr. Burra Venkata Durga Kumar<br>Dr. Teh Jia Yew                                                                                                                                         |