MTE Malaysia Technology Expo™ | **IIA @MTE 2024** International Innovation Awards

Physical

NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
1	BlendVision	BlendVision AiSK	ICT
2	Jabatan Kerja Raya Malaysia	FlexRevive	Disaster, Emergency and Crisis Management
3	Malaysian Agricultural Research and Development Institute (MARDI)	Glow-D and Lyco-D™ : Beverages Innovation for Wellness	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
4	Management and Science University (MSU)	Henna Heal Gel: Diabetic Wound Healing Treatment	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
5	Management and Science University (MSU)	Revolutionizing Interior Design Education: Immersive Digital Application as an Innovation Teaching Tools	Education Technology & Pedagogy
6	Management and Science University (MSU)	Evaluation Of Tilapia Fish (Oreochromis Niloticus) Skin Collagen Hydrogel Potential As Burn Wound Healing Agent	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
7	Management and Science University (MSU)	Green synthesis Nano-Silver Mouthwash Mediated from Coffee Waste Extract for Oral Health.	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
8	Management and Science University (MSU)	Cordyceps Militaris (OriMili): Alternative Treatment for Diabetic Retinopathy	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
9	Management and Science University (MSU)	Shadow Play of Wayang Kulit Adaption Toward Fashion	Sports, Leisure, Recreational Equipment, Active wear, Wearables
10	Management and Science University (MSU)	Discovering the World Around Us: A Sustainable Sensory Journey for Early Learners	Social Innovations & Entrepreneur Management
11	Management and Science University (MSU)	VisioPlus: Design And Application Of Cost-Effective Portable Distance Viewing Vision Enhancement System For Visually Impaired Person	Social Innovations & Entrepreneur Management
12	Management and Science University (MSU)	Mobile Educational Game Application for Middle School Student in Learning Bahasa Melayu (Peribahasa) Using Interactive Method	Education Technology & Pedagogy
13	Management and Science University (MSU)	XPLORE E-WORKBOOK	Education Technology & Pedagogy
14	Management and Science University (MSU)	DAS EduKit: Board Games Approach To Manage Depression, Anxiety And Stress Among Health Science Students	Education Technology & Pedagogy

BRONZE AWARD WINNERS

Physical

NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
15	Management and Science University (MSU)	Innovative Pedagogy: Fostering Arabic Rhetorical Skills in Arabic and Islamic Studies Students Through Minecraft Education	Education Technology & Pedagogy
16	Multimedia University (MMU)	Brailliant Card – Empowering Inclusivity: A Braille Arabic Alphabet Card Game for Enhanced Accessibility and Learning Engagement	Education Technology & Pedagogy
17	Multimedia University (MMU)	Future Journey: A Virtual Gameplay and Mentorship for B40 & Rural Youth Education and Employment.	Social Innovations & Entrepreneur Management
18	Multimedia University (MMU)	Jayden Story-Board Game: Fostering Creativity and Literacy Skills in Children	Education Technology & Pedagogy
19	Multimedia University (MMU)	Smart White Cane	Consumer Electronics
20	Multimedia University (MMU)	Potaringa: Sustainable, Ready-To-Use & Nutritious Therapeutic Food	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
21	Multimedia University (MMU))	Emotion Detection Solutions for Elevated Customer Interaction in Car Showrooms	Aviation and Transportation
22	NanoMalaysia Berhad	Indoor Air Quality Sensing System	Protection of the Environment, Energy, Water, Wastewater, Sanitation
23	Sinica Technology Limited	ON-THE-GO WINE FRIDGE	Consumer Electronics
24	State Social Protection Fund of Azerbaijan	Revolutionizing service delivery and administrative processes within the State Social Protection Fund of Azerbaijan via innovative digital governance strategies	Social Innovations & Entrepreneur Management
25	Sultan Idris Education University	Dedak DaCornge	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
26	Taylor's University	Sustainable Extraction of Pectin from Jackfruit Peel for Biofilm Production using Natural Deep Eutectic Solvent	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
27	Taylor's University	Mall Service Robot	Machinery, Equipment and Tools and Manufacturing Process (Heavy equipment, Industrial machinery)
28	Taylor's University	DTex - From Orchard Waste to Fashion Grace with Durian Textile	Advanced Materials

BRONZE AWARD WINNERS

Physical

NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
29	Taylor's University	Design of a Sprained Ankle Rehabilitation Device	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
30	Universiti Islam Selangor (UIS)	Geos-Care, Geospatial Application For Flooding And Landslide Mitigation	ICT
31	Universiti Islam Selangor (UIS)	Prototype e-KINAYAH in Understanding Translated Texts of the Quran in Malay Language.	Education Technology & Pedagogy
32	Universiti Malaya (UM)	Efficiency Meets Sensitivity: Energy-Saving N-doped ZnO Sensor for Acetone Detection	Machinery, Equipment and Tools and Manufacturing Process (Heavy equipment, Industrial machinery)
33	Universiti Malaya (UM)	Unlocking the Potential: Natural Gel Electrolyte in Protonic BIOSupercapacitors for Enhanced Energy Harvesting in Various Applications	Energy & Green Technology
34	Universiti Malaysia Sarawak (UNIMAS)	Development and Innovation of Sarawak Liberica Coffee Waste By-Products	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
35	Universiti Malaysia Pahang Al-Sultan Abdullah	Kleva-Beads: Premium Biofertilizer For Sustainable Agriculture	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
36	Universiti Malaysia Sarawak (UNIMAS)	Gold Nanoparticle-Based Facial And Lip Care Set	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
37	Universiti Malaysia Sarawak (UNIMAS)	Wellness-Resilience Prioritization Matrix (WRPM): A Tool for Priority Setting in Mental Health Care	Social Innovations & Entrepreneur Management
38	Universiti Malaysia Sarawak (UNIMAS)	Wellnest Care: Smart Solutions for Patient Care	Consumer Electronics
39	Universiti Malaysia Sarawak (UNIMAS)	ARventure: Edutainment Meets Science Mobile Application	Education Technology & Pedagogy
40	Universiti Pertahanan Nasional Malaysia (UPNM)	CARRAgYN – A Portable Water Filter Kit via Greener Membrane	Protection of the Environment, Energy, Water, Wastewater, Sanitation
41	Universiti Pertahanan Nasional Malaysia (UPNM)	Multi Sync Emergency Support System (MSYNC)	Disaster, Emergency and Crisis Management
42	Universiti Tun Hussein Onn Malaysia (UTHM)	"MARI BELAJAR PAI" App for Year 1 (Hearing Impaired) Students	Education Technology & Pedagogy
43	Universiti Tun Hussein Onn Malaysia (UTHM)	UjiMakro Kit	Education Technology & Pedagogy

Physical

NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
44	Universiti Tun Hussein Onn Malaysia (UTHM)	Gracithm	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
45	Universiti Tun Hussein Onn Malaysia (UTHM)	Innovative Rabbit Feed Pellet	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
46	University of Wollongong Malaysia	EcoCopter: The Parcel Delivery Drone	Advanced Materials

BRONZE AWARD WINNERS

Virtual

NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
1	Cheng Shiu University	Beverages with toppings	Industrial and Product Design, Web Interface Design & Printing Technology
2	Cheng Shiu University	AI Home Concierge Service Robot	Machinery, Equipment and Tools and Manufacturing Process (Heavy equipment, Industrial machinery)
3	Cheng Shiu University	AIOT technology integrated into smart home	ICT
4	DRB-HICOM University of Automotive Malaysia	Intelligence Drone Health Warning System	Aviation and Transportation
5	DRB-HICOM University of Automotive Malaysia	SMART JUMP STARTER WITH ADVANCED SAFETY FEATURES (GUARDIAN BOOSTER)	Aviation and Transportation
6	DRB-HICOM University of Automotive Malaysia	Improvement of Door Safety System For Dooring Accidents	Aviation and Transportation
7	Faculty of Science and Natural Resources, Universiti Malaysia Sabah	PHOSPHATANIA AS AN ADDITIVE FOR FIRE EXTINGUISHER	Advanced Materials
8	Majlis Amanah Rakyat (IKM Johor Bahru)	MOTORCYCLE RECORDER WITH APP SYSTEM (MORAS)	Aviation and Transportation
9	Majlis Amanah Rakyat (IKM Johor Bahru)	EMERGENCY BAG CAMERA	Safety & Security
10	Majlis Amanah Rakyat (KKTM Ledang)	RAM USAGE TRACKING AND SECURITY SYSTEM	Safety & Security
11	Majlis Amanah Rakyat (KKTM Ledang)	BIOMEDICAL MAINTENANCE RECORD SYSTEM (BIOMARS)	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
12	Majlis Amanah Rakyat (KPM Beranang)	E-COST BOX: SIMULATION OF HOUSE PROJECT	Education Technology & Pedagogy
13	Majlis Amanah Rakyat (MARA Japan Industrial Institute)	PLC-IoT TRAINING KIT : WATER TRANSFER SYSTEM TRAINER USING SIEMENS S7 1200 PLC AND SIMATIC IOT2000 CONTROLLED VIA DESKTOP & ANDROID DASHBOARD	Education Technology & Pedagogy
14	Majlis Amanah Rakyat (MRSM Tun Mohammad Fuad Stephens)	TMFS SMART HUB	ICT
15	Multimedia University	LearnovaX	Education Technology & Pedagogy
16	MULTIMEDIA UNIVERSITY	TANOSHI: An Immersive Gamified Application in Cultivating Entrepreneurial Mindsets among Students	Education Technology & Pedagogy
17	Multimedia University	Water Surface Surveillance and Pollution Tracking Vehicle	Protection of the Environment Water, Wastewater, Sanitation
18	Multimedia University	Integrated Safe Driving Tool (i-SDT)	Aviation and Transportation

Virtual

NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
19	Multimedia University	Gaussian Level Convolutional Long Short Term Memory Network (GLCLNet) Scanning Electron Microscopy Noise Level Classification	ICT
20	Multimedia University	Adaptive Second Order Parameter Estimation Technique (ASOPET)	ICT
21	Multimedia University (MMU)	IoT Based Heat Stress Prediction	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
22	Multimedia University (MMU)	Connected Vigilance: IoT-Based Driver Safety System with Drowsiness and Alcohol Sensing	Aviation and Transportation
23	National Central University	Cerebral microbleed detection and quantification based on three-dimensional convolutional neural networks	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
24	National Chin-Yi University of Technology	Mobile vehicle for the blind with intelligent voice assist technology	ICT
25	National Defense Medical Center	National Defense: UAV Application Simulation Learning System	ICT
26	Universiti Malaysia Perlis	RECOVERED CARBON BLACK (rCB) REINFORCED ACRYLONITRILE BUTADIENE STYRENE (ABS) AND POLYLACTIC ACID (PLA) FOR INJECTION MOULDING APPLICATIONS	Advanced Materials
27	Universiti Malaysia Sabah	Sistem Menempah Agri Retail Terbuka (SMART)	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
28	Universiti Malaysia Sabah	Handover Algorithm for High-Mobility Environment in Small Cell 5G Wireless Networks	Telecommunications, Infrastructure & Broadcast
29	UNIVERSITI MALAYSIA SABAH	SYOK BAH TAGAL	Education Technology & Pedagogy
30	Universiti Malaysia Sabah	Early Science Module: Endangered Animals in Sabah	Education Technology & Pedagogy
31	UNIVERSITI MALAYSIA SABAH	KAWAN SENTIZEN	Social Innovations & Entrepreneur Management
32	UNIVERSITI MALAYSIA SABAH	TABIK (TAMAN BUDAYA DAN INOVASI KUNDASANG)	Social Innovations & Entrepreneur Management
33	Universiti Malaysia Sabah	The Wonders of Bornean Mushroom	Social Innovations & Entrepreneur Management
34	Universiti Sains Malaysia	V-LeARn Ortho	Education Technology & Pedagogy
35	Universiti Teknologi MARA	Bent Array Radiator for Wide Angle Coverage in Mobile Satellite Terminal and 5G Base Station	Telecommunications, Infrastructure & Broadcast

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NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
36	UNIVERSITI TEKNOLOGI MARA	Cost-Effective IoT Control System (CEICS)	Machinery, Equipment and Tools and Manufacturing Process (Heavy equipment, Industrial machinery)
37	UNIVERSITI TEKNOLOGI MARA (UiTM)	INTELLIGENT CONNECTED DIGITAL VIDEO RECORDER (IC-DVR)	ICT
38	Universiti Teknologi PETRONAS	Integrity Assurance Management for Non-destructive Radiographic Films	Safety & Security
39	Universiti Teknologi PETRONAS	Smart Integrity Assessment System for Off-Shore Pipelines	ICT
40	Universiti Teknologi PETRONAS	foNN - An Industrial Numerical Data-Driven Forecasting Application Using Fractional Calculus	ICT
41	Universiti Utara Malaysia	Tangibell: A Tangible User Interfaces Application for Children with Dyslexia Learning to Spell	Education Technology & Pedagogy
42	University of Technology Sarawak	Ny-Pa: Eco-Innovations in Boards	Advanced Materials
43	University of Technology Sarawak	Eco-SWAP - Bamboo/Acacia Sandwich Wall Panel	Advanced Materials
44	University of Technology Sarawak, Malaysia	Instant Dabamee	Machinery, Equipment and Tools and Manufacturing Process (Heavy equipment, Industrial machinery)
45	Yu Jun Biotechnology Inc.	Use of Asystasia gangetica Extract	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
46	Piotr Sulecki	Toilet Insert Full Control	Healthcare, Personal Care Technology, Biotechnology and Life Sciences