

## SILVER AWARD WINNERS

### Physical

NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
1	Jabatan Kastam Diraja Malaysia Perlis	Products Made Of Confiscated Cigaretts	Protection of the Environment, Energy, Water, Wastewater, Sanitation
2	Jabatan Kerja Raya Malaysia	Multi Measurement Kit	Building
3	Malaysian Agricultural Research and Development Institute (MARDI)	Fermented Kuini Beverage: Unveiling Positive Outcomes In Hypercholesterolemia Management	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
4	Management and Science University (MSU)	Delivery of Carbamazepine Solution to Epilepsy using a Microneedle Chip Containing a Biosensor for Epileptic Episode Detection and Controlled Drug Release	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
5	Management and Science University (MSU)	An integrated AR application with Creative Dental Health Illustration Book as a Learning Media for Children	Social Innovations & Entrepreneur Management
6	Management and Science University (MSU)	Revamp of The Tales of Ulek Mayang Through Fashion	Management and Science University
7	Multimedia University (MMU)	5G Heterogenous Network System For Coverage And Speed	Telecommunications, Infrastructure & Broadcast
8	Multimedia University (MMU)	A Solar-Powered Autonomous Lawnmower for Unlevelled Grassland	Energy & Green Technology
9	Multimedia University (MMU)	ESG Scanner App	Social Innovations & Entrepreneur Management
10	Sanuker	WOZTELL - Omnichannel Business Messaging Platform	ICT
11	Sinica Technology Limited	Single-person Portable Air Conditioner	Sports, Leisure, Recreational Equipment, Active wear, Wearables
12	Taylor's University	Rubber Redux	Protection of the Environment, Energy, Water, Wastewater, Sanitation
13	Universiti Malaysia Pahang Al-Sultan Abdullah	PolyFlex: Flexible, Lightweight and Sustainable Heating Pad	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
14	Universiti Islam Selangor (UIS)	The Gamification Card: Easily Knowing the Sciences of Hadith (AsasDith)	Education Technology & Pedagogy
15	Universiti Kuala Lumpur (UniKL)	UniKL Twinergy Eco-flexi Dryer (UniTED)	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries

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NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
16	Universiti Kuala Lumpur (UniKL)	NystaNano: Nystatin Nanoparticles for Prevention of Candidiasis in Poultry	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
17	Universiti Malaya (UM)	Sodium Ion Battery Innovation: Catalyst for Smart City Electric Mobility Transformation	Energy & Green Technology
18	Universiti Malaya	Solar-Powered Rooftop Fan Ventilator	Building
19	Universiti Malaya (UM)	SEGAR- A Mobile-Based Serious Game For Educating Pupils Not To Initiate Smoking Behaviour	Education Technology & Pedagogy
20	Universiti Malaysia Kelantan (UMK)	V-lycotene : A Natural Multipurpose Personal Care Product For Lips And Skin.	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
21	Universiti Malaysia Pahang Al- Sultan Abdullah	SEAPO-Poultry Feed	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
22	Universiti Malaysia Pahang Al-Sultan Abdullah	Mushroom Yield and Growth Booster	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
23	Universiti Malaysia Pahang Al-Sultan Abdullah	Energy-Efficient Solar Dryer (Agriculture Application)	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
24	Universiti Malaysia Pahang Al-Sultan Abdullah	Jusz Eat: Super Premium Cat Food from Local Aquaculture Source	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
25	Universiti Malaysia Sarawak (UNIMAS)	MO-SAMBALMAKER "FROM POT TO BOX".	Machinery, Equipment and Tools and Manufacturing Process (Heavy equipment, Industrial machinery)
26	Universiti Malaysia Sarawak (UNIMAS)	Post Laser Cream	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
27	Universiti Malaysia Sarawak (UNIMAS)	e-Nelayan - A Fishery Marketplace App	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
28	Universiti Malaysia Sarawak (UNIMAS)	Economic Model of Green Building Construction	Energy & Green Technology
29	Universiti Pendidikan Sultan Idris (UPSI)	3T KIT	Education Technology & Pedagogy
30	Universiti Pendidikan Sultan Idris (UPSI)	Synergetic: Online MOOC Platform for Collaborative Learning	Social Innovations & Entrepreneur Management



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NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
31	Universiti Pertahanan Nasional Malaysia (UPNM)	SecureSmartComfyLiving: Smart Home Cybersecurity Control using Artificial Intelligence (Deep Learning)	Safety & Security
32	Universiti Pertahanan Nasional Malaysia (UPNM)	Empty Fruit Bunch (EFB) Of Palm Oil As Electrical Insulation Paper	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
33	Universiti Pertahanan Nasional Malaysia (UPNM)	SuspeKatcher : A Video Recording and CCTV Analysis System For Criminal Investigation Using Face Recognition Technology	Safety & Security
34	Universiti Teknologi Malaysia (UTM)	CNP - Andrographolide Metabolic Booster	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
35	Universiti Teknologi Malaysia (UTM)	Factor VII Biodegradable Cardiac Patch	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
36	Universiti Teknologi Malaysia (UTM)	CeraVap: Ceramic Membrane that Can Boil Water at Room Temperature and Without External Heater	Protection of the Environment, Energy, Water, Wastewater, Sanitation
37	Universiti Tun Hussein Onn Malaysia (UTHM)	QubeBot: Modular Robotic Development Platform	Education Technology & Pedagogy
38	Universiti Tun Hussein Onn Malaysia (UTHM)	Nutrisaver	Protection of the Environment, Energy, Water, Wastewater, Sanitation
39	University of Wollongong Malaysia	PLATES: PLA-Tapioca Eco-Friendly Solutions	Advanced Materials

## Virtual

NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
1	Centre for Research in Data Science, Universiti Teknologi PETRONAS	Intelligent Corrosion Rate Predictive Analytics (i-CoRPA)	ICT
2	Cheng Shiu University	Electronic Bubble Level	Power and Electricity
3	Cheng Shiu University	Badminton Shuttlecock Retrieval Machine	Sports, Leisure, Recreational Equipment, Active wear, Wearables
4	DA.AI Technology Co., Ltd.	Marine Microfiber	Energy & Green Technology
5	DRB-HICOM University of Automotive Malaysia	Sustainable Foam (Waste to Wealth)	Energy & Green Technology
6	Edusar Resources Pte. Ltd.	SagoBes - Bar	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
7	GRAPE KING BIO LTD.	Cultivating fungal protein using seawater to reduce carbon emissions	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
8	JinWen University of Science & Technology	Develop an economical and practical lighting LED wireless transmission system	Telecommunications, Infrastructure & Broadcast
9	KOLEJ PENGAJIAN KEJURUTERAAN, UNIVERSITI TEKNOLOGI MARA	EcoFix-Natural Reinforcement Structural Damage Solution	Building
10	Majlis Amanah Rakyat (KPM Ayer Molek)	Otak Kilat	Education Technology & Pedagogy
11	Majlis Amanah Rakyat (MRSN Alor Gajah)	M.AG.i-C	Social Innovations & Entrepreneur Management
12	Majlis Amanah Rakyat (MRSN Terendak)	myUTQH	Education Technology & Pedagogy
13	Majlis Amanah Rakyat (UniKL RCMP)	Chris V: Heal with Nature	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
14	Meiho University	The secret of the golden cave	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
15	Multimedia University	Personal Cloud-Based Nonlinear and Biological Image Encryptor	Safety & Security
16	Multimedia University	MindAlert: AI-Powered Seizure Diagnosis System	Healthcare, Personal Care Technology, Biotechnology and Life Sciences



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NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
17	Multimedia University	Cloud-Based Sleep Quality Monitoring System Using Pressure Sensor Grid	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
18	Multimedia University	Transfer Learning Approach to Classify Banana Blood Disease for Enhanced Food Security	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
19	Multimedia University	Innovating Cardiovascular Diagnosis among Elderly through Transfer Learning	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
20	Multimedia University	APPLICATION OF MIXED REALITY AND ELECTROENCEPHALOGRAM IN ATTENTION AND DISTRACTION	Education Technology & Pedagogy
21	Taiwan	Development of An Artificial Intelligence and IoT Based Medical Automated Drainage Continuous Monitoring System	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
22	Taiwan	Design of A Virtual Microscope and Applications to Hamatology and Infectious Diseases Education	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
23	Taiwan	Artificial Intelligence Aided Calculator for Measurement of Capillary Refilling Time	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
24	UCSI University Malaysia	Biofortification and Quantum Enhancement for improved nutrition and Sustainable Rice Production in Malaysia	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
25	Universiti Malaysia Perlis	RECOVERED CARBON BLACK (rCB) REINFORCED PLASTIC FROM TYRE WASTE PYROLYSIS FOR 3D PRINTING APPLICATIONS	Industrial and Product Design, Web Interface Design & Printing Technology
26	Universiti Sains Malaysia	Biocoating Fertilizer: The 3 in 1 Fertilizer	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
27	UNIVERSITI SAINS MALAYSIA	BioNutri-MM: Virtual Lab to Enhance Students' Achievement in STEM-Biology Education	Education Technology & Pedagogy
28	Universiti Sains Malaysia	OwlSight: An Outsourced Security Operation Center	Safety & Security
29	UNIVERSITI TEKNOLOGI MARA	SMART WIRELESS BATTERY CHARGER SYSTEM FOR EV	Power and Electricity
30	Universiti Teknologi MARA	Blended Wing-Body Unmanned Aerial Transport Aircraft	Aviation and Transportation

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NO.	ORGANISATION	INNOVATION TITLE	CATEGORY
31	Universiti Teknologi MARA (UiTM)	KaemHeal Wound Healing	Healthcare, Personal Care Technology, Biotechnology and Life Sciences
32	Universiti Teknologi MARA (UiTM)	FRUITSENSE - TASTE THE FUTURE	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
33	Universiti Teknologi PETRONAS	Decommissioning By Reefing In Malaysia: A Novel Approach To Evaluating Aging Offshore Platform Reefing Potential	Protection of the Environment Water, Wastewater, Sanitation
34	Universiti Teknologi PETRONAS	Immersive & Transformative Virtual Training and Learning Platform	Education Technology & Pedagogy
35	University of Technology PETRONAS	AGRICULTURE-TO-ENERGY SOLUTION: DUAL FUNCTION OF WAX INHIBITOR AND WELLBORE CLEANING AGENT GREEN SOLUTION FOR PETROLEUM INDUSTRY	Energy & Green Technology
36	University of Technology Sarawak	Smart Guard PRO	ICT
37	University of Technology Sarawak	MEEDIN - Air-Dried Midin (Stenochalena palustris) Instant Noodles	Agriculture, Livestock & Horticulture, Aquacultures & Fisheries
38	University of Technology Sarawak (UTS)	Rural School Network Infrastructure Analysis and Redesign for Meaningful Connectivity	Telecommunications, Infrastructure & Broadcast
39	University Technology PETRONAS	INNOVATIVE REE EXTRATION BASED DESALINATION TECHNOLOGY	Protection of the Environment Water, Wastewater, Sanitation
40	WuFeng University	Design of novel high-performance pulsed-latch-based phase-frequency detectors	ICT
41	Zakat, Sadaqah and Waqf Division (ZAWAF), Universiti Teknologi MARA	EZ-ZAWAF UiTM	Social Innovations & Entrepreneur Management