

Submission ID	Cluster	Name of IPT Agency	Name of Chief Researcher	Title of Entry	PINGAT
PECIPTAWATERFOOD-0006	Water & Food	Universiti Malaysia Sarawak	TAY MENG GUAN	Enhance Version of Turning Wastewater to Electricity: PFCell 2.0	GANGSA
PECIPTAWATERFOOD-0015	Water & Food	University of Technology Sarawak	Suzy Rini Gindi	Bario Rice Nutrition Bar	GANGSA
PECIPTAWATERFOOD-0018	Water & Food	University of Technology Sarawak	Assoc Prof Ts Dr Hii Siew Ling	EZ-MIX Kelulut Powder from Borneo Island	GANGSA
PECIPTAWATERFOOD-0025	Water & Food	UNIVERSITI MALAYA	PROF. DR. MOHD RAFIE BIN JOHAN	A KIT FOR DETECTING MULTIPLE TARGETS IN A FOOD	GANGSA
PECIPTAWATERFOOD-0030	Water & Food	UNIVERSITI MALAYA	Dr. Mohd Usman Mohd Junaidi	Automated Self-Cleaning Mobile Ultrafiltration System for Clean Water Supply	GANGSA
PECIPTAWATERFOOD-0031	Water & Food	Quest International University	Dr. Nik Athirah Yusoff	Photo-Hybrid SBR for Removal of Toxic Contaminant in Wastewater	GANGSA
PECIPTAWATERFOOD-0010	Water & Food	Universiti Kebangsaan Malaysia	Mahanem Mat Noor	Morifera	GANGSA
PECIPTAWATERFOOD-0003	Water & Food	Universiti Putra Malaysia	Siti Nurhayati Khairatun	A versatile ready-to-eat cooking paste and sauce from pumpkin	GANGSA
PECIPTAWATERFOOD-0032	Water & Food	International Islamic University Malaysia	Prof. Dr. Abdullah Al Mamun	Production of Myco-coagulant from Fungus for Water Treatment	PERAK
PECIPTAWATERFOOD-0009	Water & Food	Multimedia University	Dr. Cham Chin Leei	Eco Smart Anchovies Cleaning Machine	PERAK
PECIPTAWATERFOOD-0004	Water & Food	Universiti Malaysia Sarawak	Associate Professor Dr Mohd Razip Asaruddin	Effervescent Apong Keto Coffee	PERAK
PECIPTAWATERFOOD-0008	Water & Food	University of Technology Sarawak	FARAH SYAHIRAH ABDUL SHUKRI	DabKer - Dabai (Canarium Odontophyllum Miq.) Kernel Spread	PERAK
PECIPTAWATERFOOD-0013	Water & Food	Multimedia University	Vincent Chan	Sagolicious	PERAK
PECIPTAWATERFOOD-0026	Water & Food	Universiti Malaysia Sabah	Dr. Fan Hui Yin	Pineapple Vinegar - MCO Solution Driven Project	EMAS
PECIPTAWATERFOOD-0016	Water & Food	Universiti Putra Malaysia	Assoc. Prof. Dr. Nurulfiza Mat Isa	CRISPRvac cfUPMT27 A Fowl Adenovirus Vaccine	EMAS
PECIPTAWATERFOOD-0019	Water & Food	Universiti Tun Hussein Onn Malaysia	Dr. MIMI SULIZA BINTI MUHAMAD	HYDROMAC ADSORBENT FROM TILAPIA FISH SCALE FOR WATER TREATMENT	EMAS
PECIPTAWATERFOOD-0001	Water & Food	Universiti Malaysia Sarawak	Dr Ana Sakura Zainal Abidin	HPS: Modernization of Traditional Gula Apong Production in Sarawak	EMAS
PECIPTAWATERFOOD-0017	Water & Food	Universiti Pendidikan Sultan Idris	Ts. Dr. Suzita Ramli	Centas Plus : Natural Fruits & Veggie Sanitizer and Preservatives	EMAS
PECIPTAWATERFOOD-0012	Water & Food	Universiti Putra Malaysia	Ahmad haniff bin jaafar	Super Cosmos™ for Multiple purpose ingredients-Malaysia's Latest Economic Innovation	EMAS
PECIPTAWATERFOOD-0024	Water & Food	Universiti Malaysia Terengganu	PROF. DR. WAN IRYANI WAN ISMAIL	BEE READY: KELULUT NUTRITIOUS ENERGY BAR	EMAS
PECIPTAWATERFOOD-0014	Water & Food	Universiti Malaysia Kelantan	ChM. Dr. KRISHNA VENI VELOO	VSOL- Innovative kit to determine ultra trace levels of pesticides in fruits and vegetables.	EMAS
PECIPTAWATERFOOD-0007	Water & Food	University of Nottingham Malaysia	Ir. Assoc. Prof. Ts. Dr. Chong Chien Hwa	3D-Printed PEGDA Monolith with Robust Silane-Grafted Chitosan for Enhanced Textile Wastewater Treatment	EMAS
PECIPTAWATERFOOD-0029	Water & Food	Universiti Malaysia Sabah	DR. JURRY FOO	Utilizing Local Knowledge in Managing Resources (Agri-Production Into Immediate Food): SERUNDING KUBIS	EMAS
PECIPTAWATERFOOD-0020	Water & Food	Universiti Sains Islam Malaysia	DR. WAN MAISARAH BINTI MUKHTAR	PLASMONIC FBG-BASED HONEY QUALITY TESTER	EMAS
PECIPTAWATERFOOD-0023	Water & Food	Universiti Malaysia Kelantan	Dr. Nurul Hafizah Mohd yasin	RIZBRUNANA HIGH FIBER BISCUIT: FROM WASTE TO HEALTH	EMAS
PECIPTAWATERFOOD-0011	Water & Food	University of Technology Sarawak	Siti Nadhira Mohamad Basri	Midin Nori - Air Dried Midin (Stenochlaena palustris) Snack	EMAS
PECIPTAWATERFOOD-0027	Water & Food	Universiti Malaysia Sabah	Assoc. Prof. Dr. Patricia Matanjun	GreenLato: Healthy plant-based noodles with Borneo green seaweed	EMAS

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PECIPTAWATERFOOD-0028	Water & Food	Universiti Malaysia Sabah	DR. WOLYNA PINDI	SEALATO-PATTY: FIBRE-ENHANCED CHICKEN PATTY	EMAS
PECIPTASMARTECHSYS-0014	Smart Technology and Systems	Multimedia University	Siow Chun Lim	Smart Household Energy Monitoring System (SHEMS)	GANGSA
PECIPTASMARTECHSYS-0029	Smart Technology and Systems	Universiti Kebangsaan Malaysia	Assoc. Prof. Dr. Mohammad Rashed Iqbal Faruque	Left Handed Metamaterial Absorber for Energy Harvesting	GANGSA
PECIPTASMARTECHSYS-0047	Smart Technology and Systems	University College TATI	Nor Bahiyah Baba	Innovative NI-YSZ Cermet Coating for Cutting Tool	GANGSA
PECIPTASMARTECHSYS-0008	Smart Technology and Systems	Universiti Pertahanan Nasional Malaysia	Mohamed Tarmizi Ahmad	GREEN (BIOFUEL) HYBRID ROCKET PROPULSION	GANGSA
PECIPTASMARTECHSYS-0068	Smart Technology and Systems	POLITEKNIK BANTING SELANGOR	Ts. MOHD HAZWAN BIN MOHAMED NORLI	SMART ADJUSTABLE HEADREST FOR TOTAL BODY INVOLVEMENT CEREBRAL PALSY CHILDREN	GANGSA
PECIPTASMARTECHSYS-0028	Smart Technology and Systems	Universiti Kebangsaan Malaysia	Assoc. Prof. Dr. Mohammad Rashed Iqbal Faruque	A Metamaterial-based Invisibility Cloak	GANGSA
PECIPTASMARTECHSYS-0048	Smart Technology and Systems	UCSI University	Wan Zailah binti Wan Said	Intelligent Kitchen Waste Segregation System Via Deep Learning	GANGSA
PECIPTASMARTECHSYS-0022	Smart Technology and Systems	University College TATI	Nor Bahiyah Baba	Innovative NI-YSZ Cermet Coating for Cutting Tool	GANGSA
PECIPTASMARTECHSYS-0066	Smart Technology and Systems	Universiti Utara Malaysia	Dr Amran ahmad	Smart Judging Management System	GANGSA
PECIPTASMARTECHSYS-0071	Smart Technology and Systems	Universiti Tenaga Nasional	HASSAN BIN MOHAMED	TRIPLE SANS - BANKNOTE DISINFECTION SYSTEM	GANGSA
PECIPTASMARTECHSYS-0081	Smart Technology and Systems	Universiti Malaysia Sabah	Ts. Dr. Chin Pei Yee	SAHKANNYA! The Development of News Fact-Checking Application in Tackling Misinformation	GANGSA
PECIPTASMARTECHSYS-0021	Smart Technology and Systems	University College TATI	MOHD EFENDEE BIN AWANG	Quick Release Magnetic EDM Vice	GANGSA
PECIPTASMARTECHSYS-0067	Smart Technology and Systems	Universiti Kebangsaan Malaysia	Dr. Touhidul Alam	Dual-circular polarized metamaterial antenna for nanosatellite payload communication system	GANGSA
PECIPTASMARTECHSYS-0080	Smart Technology and Systems	Universiti Malaysia Sabah	Dr. Laila Wati binti Madlan @ Endalan	Pembinaan e skala Instrumen Stres Pelajar Universiti (e-ISPU) berasaskan aplikasi web.	GANGSA
PECIPTASMARTECHSYS-0082	Smart Technology and Systems	Quest International University	Leong Ying Mei	Safety and Tracking Android App	GANGSA
PECIPTASMARTECHSYS-0017	Smart Technology and Systems	Universiti Teknikal Malaysia Melaka	Syahrul Azwan bin Sundi @ Suandi	HIGH PERFORMANCE TRIMMING TOOL FOR COMPOSITE - RULLZZ	GANGSA
PECIPTASMARTECHSYS-0070	Smart Technology and Systems	DRB-HICOM UNIVERSITY OF AUTOMOTIVE MALAYSIA	Dr. Siti Nur Sakinah Jamaludin	Compression Ratio Gauge	GANGSA
PECIPTASMARTECHSYS-0023	Smart Technology and Systems	Multimedia University	Nor Azlina Ab. Aziz	ERS2H: Emotion Recognition System For Smart Homes	PERAK

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PECIPTASMARTECHSYS-0055	Smart Technology and Systems	Universiti Malaysia Kelantan	Ts. Dr. Kamarul Ariffin Bin Kambali @ Hambali	Anti-Animal Trash Bin	PERAK
PECIPTASMARTECHSYS-0032	Smart Technology and Systems	International Islamic University Malaysia	Asst. Prof. Dr. Siti Asma binti Mohammed	IUM Sejahtera Profiling (ISP) - a novel, screening tool for early detection of mental health issues	PERAK
PECIPTASMARTECHSYS-0012	Smart Technology and Systems	Management and Science University	Assoc. Prof. Dr Safaa Najah Saud Al-Humairi	TRACE MS: Design a smart infrastructure Covid-19 Monitoring, Communication and Technology Operational System	PERAK
PECIPTASMARTECHSYS-0063	Smart Technology and Systems	UNIVERSITI MALAYA	Harith bin Ahmad	In-place inclinometer using a fiber optic approach, used in ground movement monitoring for early detection of landslides	PERAK
PECIPTASMARTECHSYS-0056	Smart Technology and Systems	Universiti Kuala Lumpur	Mohd Ariff Majmi bin Zaaba	The Smart River Monitoring System: A New Approach For River Rating & Ranking in Malaysia	PERAK
PECIPTASMARTECHSYS-0069	Smart Technology and Systems	Universiti Malaysia Pahang	Dr. Mohd Hasnun Arif Bin Hassan	INTELLIGENT AGILITY TRAINING DEVICE FOR ATHLETES	PERAK
PECIPTASMARTECHSYS-0078	Smart Technology and Systems	Universiti Teknologi Malaysia	Mohmad Shukri Bin Zainal Abidin	MyAgriTECH - A Modern Solution For Agriculture 4.0	PERAK
PECIPTASMARTECHSYS-0065	Smart Technology and Systems	Universiti Tun Hussein Onn Malaysia	Assoc. Prof. Dr. Mohd Khir bin Mohd Nor	HYBRID III 50TH PERCENTILE MALAYSIAN (H350M) FINITE ELEMENT MODEL	PERAK
PECIPTASMARTECHSYS-0044	Smart Technology and Systems	Universiti Tenaga Nasional	Dr Firas Basim Ismail Alnaimi	An Innovative Intelligent Multi-Functional Retractable Pipeline Inspection Gauge	PERAK
PECIPTASMARTECHSYS-0033	Smart Technology and Systems	Universiti Tenaga Nasional	AZMI BIN MOHD YUSOF	Immersive Standalone VR Bicycle	PERAK
PECIPTASMARTECHSYS-0018	Smart Technology and Systems	Universiti Teknikal Malaysia Melaka	Dr Zul Hasrizal Bin Bohari	PD DETECTION USING MULTICYLINDRICAL SLOTS UHF SENSOR INTEGRATED WITH PARASITIC FILTER ELEMENT WITH FAST SOM RECOGNITION TECHNIQUE FOR POWER TRANSFORMER	PERAK
PECIPTASMARTECHSYS-0054	Smart Technology and Systems	Multimedia University	Hezerul Abdul Karim	Form Recognition and Optical Character Recognition for Claims Automation	PERAK
PECIPTASMARTECHSYS-0005	Smart Technology and Systems	University College TATI	siti norwahidayah wahab	A FUNDAMENTAL STUDY OF INTRUSION DETECTION SYSTEM (IDS) USING HYBRIDIZATION OF ARTIFICIAL NEURAL NETWORK (ANN), PARTICLE SWARM OPTIMIZATION (PSO) AND MAGNETIC OPTIMIZATION ALGORITHM (MOA)	PERAK
PECIPTASMARTECHSYS-0019	Smart Technology and Systems	University of Technology Sarawak	Chew Kim Mey	Solar-Powered Real-Time Low Water Pressure Early Warning System	PERAK
PECIPTASMARTECHSYS-0045	Smart Technology and Systems	Universiti Pertahanan Nasional Malaysia	Dian Darina Indah binti Daruis	Measuring Attention Level of Driver while Driving in Virtual Reality Environment	PERAK
PECIPTASMARTECHSYS-0050	Smart Technology and Systems	Multimedia University	Hezerul Abdul Karim	A DEEP LEARNING METHOD FOR DETECTING INAPPROPRIATE CONTENTS IN A VISUAL MEDIA	PERAK
PECIPTASMARTECHSYS-0026	Smart Technology and Systems	Universiti Sains Malaysia	Associate Professor Dr Muhammad Nasiruddin Mahyuddin	NEXT GENERATION OF DELTA ROBOTS WITH INTERCHANGEABLE MODULAR END-EFFECTORS FOR INDUSTRI 4.0 PICK-AND-PLACE OPERATION	PERAK
PECIPTASMARTECHSYS-0011	Smart Technology and Systems	Universiti Malaysia Sarawak	Johari bin Abdullah	SongketChain - A Framework to Protect Unique Cultural Product using Blockchain Technology	PERAK

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PECIPTASMARTECHSYS-0061	Smart Technology and Systems	Universiti Pendidikan Sultan Idris	Prof Ts. Dr. Ismail bin Zainol	Self-Sterilizing Ceramic Filter Candle from Biogenic Hydroxyapatite for Water Filter Application	PERAK
PECIPTASMARTECHSYS-0073	Smart Technology and Systems	UNIVERSITI MALAYA	Prof. Ir. Dr. Sulaiman Wadi Harun	CAHAYA(II): Feeder-less 300 Watt Laser Welding	PERAK
PECIPTASMARTECHSYS-0079	Smart Technology and Systems	UNIVERSITI MALAYA	Professor Ir. Dr. Nasrudin Abd Rahim	Scalable and Standalone Solar Oxyhydrogen Incinerator Assembly for Controllably Decomposing Waste Materials	PERAK
PECIPTASMARTECHSYS-0051	Smart Technology and Systems	UCSI University	Leow Yan Wu	Property Management System for Mobile Environment with Web Based Management Dashboard	PERAK
PECIPTASMARTECHSYS-0002	Smart Technology and Systems	Universiti Pertahanan Nasional Malaysia	Syed Nasir Alsagoff	VECTORS: VEHICLE ENHANCED COMBAT TACTICAL OPERATION RESPONSE SYSTEM	EMAS
PECIPTASMARTECHSYS-0041	Smart Technology and Systems	Universiti Teknologi MARA	Mohamad Hafiz bin Mamat	UHS21: Ultra-Highly Sensitive Humidity Sensor Based on A Novel Nanoporous Nickel Oxide Nanosheet-1D Zinc Oxide Mixed Analogous Heterostructure Film	EMAS
PECIPTASMARTECHSYS-0058	Smart Technology and Systems	Universiti Malaysia Kelantan	MOHAMAD NAJMI MASRI	NSP: INNOVATION DESIGN OF SUBLIMATION PRINTING MACHINE	EMAS
PECIPTASMARTECHSYS-0036	Smart Technology and Systems	Universiti Malaysia Perlis	Assoc. Prof. Ts. Dr Irnis Azura Zakarya	SMART COMPOST BIN (SaCoB)	EMAS
PECIPTASMARTECHSYS-0030	Smart Technology and Systems	Universiti Sains Malaysia	Ahmad Fahmi Lim Abdullah	Smart Xylazine Sensor	EMAS
PECIPTASMARTECHSYS-0052	Smart Technology and Systems	Universiti Malaysia Kelantan	Assoc. Prof. Ts. Dr. Suliadi Firdaus Sufahani	Solving Royalty Payment Problem Through SANGR-Algorithm With Proposed Design System	EMAS
PECIPTASMARTECHSYS-0046	Smart Technology and Systems	Universiti Tun Hussein Onn Malaysia	Assoc. Prof. Ts. Dr. Suliadi Firdaus Sufahani	MALAYSIAN SECONDARY BOARDING SCHOOL MENU PLANNING SYSTEM WITH POST-OPTIMALITY PROCESS	EMAS
PECIPTASMARTECHSYS-0006	Smart Technology and Systems	Universiti Teknikal Malaysia Melaka	DR. ISA BIN HALIM	SMART SIT-STAND EXOSKELETON	EMAS
PECIPTASMARTECHSYS-0057	Smart Technology and Systems	Curtin University Malaysia	Agus Saptoro	AgriSmartEye: A Rapid, Reliable and Cost-Effective Tool to Detect Authenticity and Geographical Origin of Ground Black Pepper	EMAS
PECIPTASMARTECHSYS-0076	Smart Technology and Systems	Universiti Teknologi Malaysia	Prof Ir Dr Nor Aishah Saidina Amin	OzBiONY TM: A Green Pretreatment System for Cellulose and Cellulose Derivative Production	EMAS
PECIPTASMARTECHSYS-0003	Smart Technology and Systems	Universiti Kebangsaan Malaysia	ABU BAKAR SULONG	METHOD OF MANUFACTURING A COMPOSITE MATERIAL FROM UNTREATED KENAF FIBRES	EMAS
PECIPTASMARTECHSYS-0016	Smart Technology and Systems	Universiti Teknikal Malaysia Melaka	Ts. Dr. Maizatul Alice Binti Meor Said	High Accuracy Microwave Resonator Sensor for Material Characterization	EMAS
PECIPTASMARTECHSYS-0077	Smart Technology and Systems	Universiti Teknologi Malaysia	Dr Noor Asmawati Binti Samsuri	SKIN-CONTACT TRANSDERMAL PATCH ANTENNA FOR PERPETUAL HEALTH MONITORING APPLICATION	EMAS
PECIPTASMARTECHSYS-0060	Smart Technology and Systems	Universiti Malaysia Terengganu	ASSOC. PROF. DR. AHMAD FAISAL MOHAMAD AYOB	MARINE VEHICLE OPERATION SIMULATOR WITHIN MOBILE ENVIRONMENT (PORT MASTER 2021 AND BOAT SIMULATOR APPRENTICE)	EMAS

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PECIPTASMARTECHSYS-0053	Smart Technology and Systems	KOLEJ UNIVERSITI ISLAM ANTARABANGSA SELANGOR	MOHAMMAD IMRAN BIN AHMAD	Prototaip Aplikasi SMART Mobile untuk Pelancongan Islam di Selangor	EMAS
PECIPTASMARTECHSYS-0038	Smart Technology and Systems	Multimedia University	Dr. Yeo Boon Chin	Automatic Data Acquisition System for Fingerprinting Based Indoor Positioning	EMAS
PECIPTASMARTECHSYS-0027	Smart Technology and Systems	Universiti Sains Malaysia	DR. SITI AINOR MOHD YATIM	HBBDFs : EFFICIENT SOLVER FOR HIGH ORDER STIFF ODE	EMAS
PECIPTASMARTECHSYS-0025	Smart Technology and Systems	Universiti Sains Malaysia	Bakhtiar Affendi bin Rosdi	Machine vision-based swivel cap inspection system for quality assurance	EMAS
PECIPTASMARTECHSYS-0040	Smart Technology and Systems	Multimedia University	Mardeni Roslee	INTELLIGENT RESOURCE ALLOCATION FOR DOWNLINK NOMA IN VELOCITY BASED CELLULAR 5G NETWORKS	EMAS
PECIPTASMARTECHSYS-0015	Smart Technology and Systems	Universiti Sains Islam Malaysia	AZNI HASLIZAN BINTI AB HALIM	SAKTI: Secure App for enKripting Text Information	EMAS
PECIPTASMARTECHSYS-0072	Smart Technology and Systems	Universiti Kebangsaan Malaysia	Prof. Ir. Dr. Abu Bakar Sulong	Innovation of screw-shaped medical implants made of novel bioactive material composite (titanium alloy -wollastonite) produced by powder injection molding process for broken bones treatment	EMAS
PECIPTASMARTECHSYS-0042	Smart Technology and Systems	Universiti Malaysia Pahang	TS. DR. SYAFIQ FAUZI BIN KAMARULZAMAN	Confined Emergency Intercom System (CEISys)	EMAS
PECIPTASMARTECHSYS-0043	Smart Technology and Systems	Universiti Putra Malaysia	Assoc. Prof. Ir. Dr. Norhashila Hashim	Smart Detector For Fruit Quality	EMAS
PECIPTASMARTECHSYS-0031	Smart Technology and Systems	International Islamic University Malaysia	DZUN NORAINI JIMAT	Elaeis Finecell: nanocellulose from empty fruit bunches; renewable, light weight, non-toxic, versatile, and functionalized nanomaterial	EMAS
PECIPTASMARTECHSYS-0039	Smart Technology and Systems	Multimedia University	Mardeni Roslee	AUTOMATED SELF-OPTIMIZATION HANDOVER FOR THROUGHPUT MAXIMIZATION IN 5G NETWORKS	EMAS
PECIPTASMARTECHSYS-0020	Smart Technology and Systems	Universiti Tenaga Nasional	Prof. Ts. Dr. Manjit Singh Sidhu	Real Time RFID-IoT Asset Tracking and Monitoring Management System for Warehouses	EMAS
PECIPTASMARTECHSYS-0007	Smart Technology and Systems	Multimedia University	WONG WAI KIT	Malaysian Banknotes Reader Featuring Counterfeit Detection for RM1 and RM5 Using Front-Backlight Mechanism and Image Processing Techniques	EMAS
PECIPTASMARTECHSYS-0035	Smart Technology and Systems	Universiti Teknikal Malaysia Melaka	Mastura binti Mohammad Taha	Enau-FDM	EMAS
PECIPTASMARTECHSYS-0059	Smart Technology and Systems	Universiti Kebangsaan Malaysia	Prof. Dr. Mohammad Tariqul Islam	C band antenna for KITSUNE 6U CubeSatellite	EMAS
PECIPTASMARTECHSYS-0013	Smart Technology and Systems	Universiti Teknikal Malaysia Melaka	PROFESSOR IR DR HAMBALI AREP@ARIFF	HYGIENIC PORTABLE FEMALE URINAL DEVICE (HPFUD)	EMAS
PECIPTASMARTECHSYS-0009	Smart Technology and Systems	Universiti Pertahanan Nasional Malaysia	Razali bin Abidin	Portable Spring and Component Characteristics Checking Tools for 5.56 mm-12.7 mm small arms weapon systems (PSCCCTFSAW)	EMAS
PECIPTASMARTCITY-0010	Smart Cities & Transportation	University of Nottingham Malaysia	Ir. Dr. Soo Yong Lim	A Novel Machine-Learning based Method for Rapid Path Loss Prediction in Urban Areas	GANGSA

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PECIPTASMARTCITY-0007	Smart Cities & Transportation	Management and Science University	Rabab Alayham Abbas Helmi	A Sustainable Network Simulation and Visualization Tool	GANGSA
PECIPTASMARTCITY-0008	Smart Cities & Transportation	Universiti Putra Malaysia	Lim Hong Ngee	GrafinTok® - Patented Graphene Technology for Engine Oil	GANGSA
PECIPTASMARTCITY-0012	Smart Cities & Transportation	University of Nottingham Malaysia	Ts.Dr.Thamilvaani Arvaree	Smart Public Transport Monitoring System Using Cloud Computing	GANGSA
PECIPTASMARTCITY-0018	Smart Cities & Transportation	Universiti Malaysia Terengganu	TS. DR. NOOR ZAITUN YAHAYA	An Intelligent Pollutants and Physical Monitoring Device (In_2PMD)	GANGSA
PECIPTASMARTCITY-0016	Smart Cities & Transportation	UCSI University	Ts. Sr Dr. Nadzirah Hj. Zainordin	Affordable, sustainable, accesible and smart public transport model	GANGSA
PECIPTASMARTCITY-0017	Smart Cities & Transportation	UCSI University	Ts. Sr Khoo Sui Lai	MODEL OF EFFECTIVENESS SMART LIVING CONCEPTUAL APPLICATION	GANGSA
PECIPTASMARTCITY-0021	Smart Cities & Transportation	Universiti Teknologi Malaysia	Noor Azurati Ahmad@Salleh	Adaptive, Light-Weight and Accurate Indoor Positioning System (ALWAIS)	PERAK
PECIPTASMARTCITY-0025	Smart Cities & Transportation	Universiti Teknologi Malaysia	Ali Selamat	Anti-Obfuscation Model For Malware Detection	PERAK
PECIPTASMARTCITY-0004	Smart Cities & Transportation	Multimedia University	Ts. Dr. Siti Fatimah Abdul Razak	Vehicle to Vehicle Communications for Seamless Travelling Experience	PERAK
PECIPTASMARTCITY-0015	Smart Cities & Transportation	Universiti Kuala Lumpur	DR.MUHAMAD HUSAINI BIN ABU BAKAR	INTERGRATED RESPONSIVE ENERGY MANAGEMENT SYSTEM (I-REMS)	PERAK
PECIPTASMARTCITY-0022	Smart Cities & Transportation	Universiti Malaysia Sabah	Mr. Liau Chung Fan	Portable Traffic Signal Analyser for Decision Pattern Recognition	PERAK
PECIPTASMARTCITY-0026	Smart Cities & Transportation	Universiti Teknologi Malaysia	Prof. Ts. Dr. Ali Bin Selamat	LARRA: Lightweight and Real-time Security Tool for the IoMT Ransomware Detection	PERAK
PECIPTASMARTCITY-0001	Smart Cities & Transportation	Universiti Malaysia Perlis	Ts. Dr. Zul-Atfi Ismail	DIAGNOSIS OF DETERIORATING ASSET BASED BIM DATA ANALYSIS (DIDABIM)	PERAK
PECIPTASMARTCITY-0006	Smart Cities & Transportation	Multimedia University	Ir. Dr. Shashikumar A/L Krishnan	Plug and Play Electronic Wheel Security for Vehicles	PERAK
PECIPTASMARTCITY-0019	Smart Cities & Transportation	Universiti Malaysia Perlis	ASSOC PROF IR TS DR SHAHRIMAN ABU BAKAR	SERI PERLIS RANGE EXTENDER ELECTRIC VEHICLE (SP- REEV) AS A PIONEER FOR EV'S COMMERCIALIZATION IN MALAYSIA	EMAS
PECIPTASMARTCITY-0020	Smart Cities & Transportation	Universiti Teknologi Malaysia	Assoc. Prof. Ir. Ts. Dr. Nurulakmar Abu Husain	ASEAN Children Anthropomorphic Test Manikin	EMAS
PECIPTASMARTCITY-0013	Smart Cities & Transportation	Universiti Sains Malaysia	Dr. Mohd Nadhir Ab Wahab	iPassenger: Smart Passenger Analytics System	EMAS
PECIPTASMARTCITY-0024	Smart Cities & Transportation	Universiti Teknologi Malaysia	Ali Selamat	WePhish - Website Phishing Detector based on Deep Learning Technology	EMAS

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PECIPTASMARTCITY-0005	Smart Cities & Transportation	Multimedia University	Ts. Sumendra Yogarayan	The Conceptual Testbed of Quality of Service Support in Vehicular Ad Hoc Networks	EMAS
PECIPTASMARTCITY-0002	Smart Cities & Transportation	Multimedia University	Ts. Dr. Siti Fatimah Abdul Razak	Driver Vigilance Monitoring via In-Cabin Sensor for Air Quality Concentration	EMAS
PECIPTASMARTCITY-0011	Smart Cities & Transportation	Universiti Teknologi PETRONAS	Prof Dr Abd Rashid Abd Aziz	i-Wheel-C - AN AUTONOMOUS WHEELCHAIR FOR CARRYING PILGRIMAGE TO PERFORM TAWAF & SAIE	EMAS
PECIPTASMARTCITY-0023	Smart Cities & Transportation	UNIVERSITI MALAYA	Dr. Ahmad Saifizul Abdullah	Adaptive Rollover Warning System for Commercial Heavy Vehicle	EMAS
PECIPTASMARTCITY-0003	Smart Cities & Transportation	Multimedia University	Ts. Dr. Siti Fatimah Abdul Razak	In-Vehicle Active Monitoring Tool	EMAS
PECIPTASMARTCITY-0009	Smart Cities & Transportation	Multimedia University	Goh Pey Yun	3D Indoor University/Building Map	EMAS
PECIPTAMEDHEALTH-0044	Medical & Healthcare	International Islamic University Malaysia	AMAL A.M. ELGHARBAWY	NANO ELAYNE: a novel nanoemulsion from fish by-products using green solvents as co-surfactants for halal cosmetic products	GANGSA
PECIPTAMEDHEALTH-0002	Medical & Healthcare	Universiti Malaysia Sarawak	Chew Keng Sheng	Development and Validation of One Stop Crisis Center Service Quality Instrument (OSSC-Qual)	GANGSA
PECIPTAMEDHEALTH-0026	Medical & Healthcare	Multimedia University	Chua Sook Ling	ChatWithMe	GANGSA
PECIPTAMEDHEALTH-0051	Medical & Healthcare	Universiti Sains Islam Malaysia	Dr. Maimunah Binti Abdul Muna'aim	Eye-Zy	GANGSA
PECIPTAMEDHEALTH-0073	Medical & Healthcare	International Islamic University Malaysia	Norsaremah Salleh	STeko SD: Self-diagnosed metabolic syndrome app for early prevention of heart disease, stroke and obesity complications	GANGSA
PECIPTAMEDHEALTH-0079	Medical & Healthcare	UNIVERSITI MALAYA	PROF. DR. FUNG SHIN YEE	Tiger Milk Mushroom Extract (xLr) by Aqua Cool Extraction Technology	GANGSA
PECIPTAMEDHEALTH-0040	Medical & Healthcare	Universiti Teknikal Malaysia Melaka	TS. DR. AMIR ABDULLAH BIN MUHAMAD DAMANHURI	Optimization tools of refresh rate towards dust exposure of PA12 SLS handling process (Op-Refresh)	GANGSA
PECIPTAMEDHEALTH-0012	Medical & Healthcare	Universiti Teknologi PETRONAS	AP Dr Ahmad Majdi Abdul Rani	CNT Reinforced CaP-based Coating using Multiple Additives Mixed EDM for Sustainable Bio-implant (CNT+CaP)	GANGSA
PECIPTAMEDHEALTH-0011	Medical & Healthcare	Universiti Putra Malaysia	Assoc. Prof. Dr. Zulfetri Azuan Mat Daud	MyNutriKidney App: A Personalized Nutrition Tool to Empower Dietary Self-Management for Chronic Kidney Disease (CKD) Patients	GANGSA
PECIPTAMEDHEALTH-0087	Medical & Healthcare	UNIVERSITI MALAYA	Prof. Dr. Lau Yee Ling	Rapid molecular-based test (RT-LAMP) for diagnosis of SARS-CoV-2 infection	GANGSA
PECIPTAMEDHEALTH-0076	Medical & Healthcare	ASIA PACIFIC UNIVERSITY	IR.NARENDRAN RAMASENDERAN	MEDI4IR	GANGSA
PECIPTAMEDHEALTH-0028	Medical & Healthcare	University of Technology Sarawak	Yong Ching Yee	An IoT Rehab Device - What If I Can Control Your Move	GANGSA
PECIPTAMEDHEALTH-0049	Medical & Healthcare	International Islamic University Malaysia	Mohd Affendi	PERIODOX™:HALAL, LOCALLY APPLIED NANOEMULSION ANTIBIOTIC FOR PERIODONTITIS WITH REGENERATIVE PROPERTIES	GANGSA
PECIPTAMEDHEALTH-0078	Medical & Healthcare	Curtin University Malaysia	Henry Foo Chee Yew	Electrospun eggshell membrane protein into structural membrane as biotemplate to control nanoparticles growth	GANGSA

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PECIPTAMEDHEALTH-0009	Medical & Healthcare	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	DR. MUHAMMAD FIRDAUS ASYRAF BIN ABDUL HALIM YAP	NEWLY DESIGN OF BEDSIDE CYCLE ERGOMETER	GANGSA
PECIPTAMEDHEALTH-0010	Medical & Healthcare	Universiti Pertahanan Nasional Malaysia	Jahwarhar Izuan Bin Abdul Rashid	PseudoSens: A biosensor for rapid detection of pseudomonas aeruginosa infections	GANGSA
PECIPTAMEDHEALTH-0018	Medical & Healthcare	Management and Science University	Saeid Mezail Mawazi Mawazi	Halah (هاله ) Lipstick (Halal & Natural Formulation)	GANGSA
PECIPTAMEDHEALTH-0013	Medical & Healthcare	Universiti Kebangsaan Malaysia	Prof Dr Bariah Mohd Ali	I-Prostetik UKM - inovasi untuk pesakit anoftalmik	GANGSA
PECIPTAMEDHEALTH-0020	Medical & Healthcare	Universiti Kebangsaan Malaysia	Prof Dr Devinder Kaur Ajit Singh	FallsA 2.0: A Mobile App to identify fall risk in older persons and provide falls prevention awareness	GANGSA
PECIPTAMEDHEALTH-0066	Medical & Healthcare	UCSI University	Anand Gaurav	Natural Product Based Dual PDE $\gamma$ Inhibitors: A potential Therapy for COPD	GANGSA
PECIPTAMEDHEALTH-0042	Medical & Healthcare	Universiti Teknologi PETRONAS	Dr. Lila Iznita Izhar	E-CLASS	GANGSA
PECIPTAMEDHEALTH-0017	Medical & Healthcare	Universiti Pertahanan Nasional Malaysia	Dr. Siti Rohaidah Binti Ahmad	A Hybrid Multi-Swarm Optimization Technique On Drug Reviews Using Sentiment Analysis In Social Media (MediXact)	GANGSA
PECIPTAMEDHEALTH-0016	Medical & Healthcare	Universiti Kebangsaan Malaysia	NOR ANIZA BINTI AZMI	Modul Simulasi Klinikal Pesakit Maya untuk Pengajaran Radioterapi (SCIMORT)	GANGSA
PECIPTAMEDHEALTH-0024	Medical & Healthcare	Management and Science University	Muhammad Danial Bin Che Ramli	The Potential Effects Of Beri Hut Supplement Towards Testicular Dysfunction	PERAK
PECIPTAMEDHEALTH-0003	Medical & Healthcare	Universiti Teknikal Malaysia Melaka	Ts. Dr. Sarni Suhaila Rahim	Diabetic Retinopathy Consultation System (DRCS)	PERAK
PECIPTAMEDHEALTH-0062	Medical & Healthcare	Multimedia University	Hezerul Abdul Karim	REAL TIME DISTORTION CLASSIFICATION AND RANKING IN LAPAROSCOPIC VIDEOS	PERAK
PECIPTAMEDHEALTH-0022	Medical & Healthcare	Universiti Kebangsaan Malaysia	Assoc. Prof. Dr. Mohd Fauzi Mh Busra	COLPATCH™	PERAK
PECIPTAMEDHEALTH-0057	Medical & Healthcare	Universiti Kuala Lumpur	Leong Chean Ring	Chitotech - Antimicrobial surgical gloves	PERAK
PECIPTAMEDHEALTH-0015	Medical & Healthcare	Universiti Teknologi MARA	Professor Dr. Anis Safura Ramli	The EMPOWER-SUSTAIN Mobile and Desktop Apps© : Transforming Cardiovascular e-Health Intervention in Primary Care	PERAK
PECIPTAMEDHEALTH-0081	Medical & Healthcare	Universiti Teknologi Malaysia	Assoc Prof Ts ChM Dr Nik Ahmad Nizam Nik Malek	Dual-Antibax Cream	PERAK
PECIPTAMEDHEALTH-0055	Medical & Healthcare	Universiti Sains Islam Malaysia	DR NUR ZAIREENA BINTI ZAINAL	TANAFFAS	PERAK
PECIPTAMEDHEALTH-0019	Medical & Healthcare	Universiti Kebangsaan Malaysia	NORLIZA ABD RAHMAN	Biolifera 0416 Wound Dressing	PERAK

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PECIPTAMEDHEALTH-0027	Medical & Healthcare	University of Cyberjaya	TS. DR. LIEW KAI BIN	Development of a Patient Friendly Oral Dissolving Film by Electrospray Method	PERAK
PECIPTAMEDHEALTH-0054	Medical & Healthcare	Universiti Sains Islam Malaysia	DR NUR ZAIREENA BINTI ZAINAL	EISEI BAG	PERAK
PECIPTAMEDHEALTH-0036	Medical & Healthcare	Universiti Putra Malaysia	DR. NUR KARTINEE KASSIM	NON ALCOHOLIC, NATURAL AND ECO-FRIENDLY ANTIBACTERIAL AND ANTIVIRUS HAND SANITIZER AND SURFACE DISINFECTANT	PERAK
PECIPTAMEDHEALTH-0072	Medical & Healthcare	Universiti Malaysia Perlis	Ts. Mazlee Bin Mazalan	Fine tuning cell migration using standing surface acoustic wave (SAW) device	PERAK
PECIPTAMEDHEALTH-0074	Medical & Healthcare	Universiti Malaysia Kelantan	NOR FADHILAH KAMARUZZAMAN	NANO-HEALIN FOR WOUND RECOVERY IN ANIMAL	PERAK
PECIPTAMEDHEALTH-0007	Medical & Healthcare	Multimedia University	Poh Kiat Ng	A Multifunctional Stepladder for the Elderly and Caregivers	PERAK
PECIPTAMEDHEALTH-0065	Medical & Healthcare	Universiti Kebangsaan Malaysia	Prof. Dr. Azrul Azlan Hamzah	TiO <sub>2</sub> /rGO - FET for SARS Covid-19 Virus RNA Detection	PERAK
PECIPTAMEDHEALTH-0046	Medical & Healthcare	International Islamic University Malaysia	Assoc. Prof. Dr. Farahidah Mohamed	Beetamol™: a novel medicine, an analgesic and antipyretic with antioxidant and hepatoprotective effect.	PERAK
PECIPTAMEDHEALTH-0083	Medical & Healthcare	UNIVERSITI MALAYA	Dr. Muhammad Shakeel Ahmad	Anti-Viral and Anti-Bacterial Coating for PPE Material	PERAK
PECIPTAMEDHEALTH-0029	Medical & Healthcare	Universiti Kebangsaan Malaysia	Teow Yeit Haan	Temperature stimuli-responsive hydrogel in drug delivery and tissue engineering	PERAK
PECIPTAMEDHEALTH-0021	Medical & Healthcare	Manipal International University (MIU)	Ts Dr Krishnan Subramaniam	Development of Wearable 3D-printed Device For Hand/Arm Rehabilitation	PERAK
PECIPTAMEDHEALTH-0014	Medical & Healthcare	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	PROF. DR. NYI NYI NAING @ SYED HATIM NOOR	VIS SCREEN: A VALIDATED VISION SCREENING APP FOR PUBLIC USE	PERAK
PECIPTAMEDHEALTH-0064	Medical & Healthcare	UCSI University	Associate Professor Dr. Mogana Sundari Rajagopal	MGs-Young+: A New Sustainable Green Cosmeceutical Face Cream with Rejuvenating Properties	PERAK
PECIPTAMEDHEALTH-0059	Medical & Healthcare	ASIA PACIFIC UNIVERSITY	VICKNESWARI DURAIRAJAH	Low-cost self-stabilizing spoon for people with Parkinson's Disease	PERAK
PECIPTAMEDHEALTH-0089	Medical & Healthcare	University of Nottingham MALaysia	Azira Ishak	Handheld device to monitor and predict cardio-vascular disease	PERAK
PECIPTAMEDHEALTH-0035	Medical & Healthcare	Universiti Sains Malaysia	Prof. Ir. Dr. Mariatti Jaafar	HieCAP Bone Scaffold	EMAS
PECIPTAMEDHEALTH-0039	Medical & Healthcare	Universiti Sains Malaysia	PROF. IR. DR. SRIMALA SREEKANTAN	ECODIFESA: A Long-Lasting Antivirus Coating	EMAS
PECIPTAMEDHEALTH-0025	Medical & Healthcare	Universiti Malaysia Perlis	ASSOC. PROF. DR. SUBASH C. B. GOPINATH	ARCHIMEDEAN Nano-MIP SENSOR: A Pre-operative Assessment Tool for Inherited and Acquired Coagulopathy Diagnosis	EMAS

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PECIPTAMEDHEALTH-0041	Medical & Healthcare	Universiti Sains Malaysia	Associate Professor Dr. Rafidah Binti Zainon	AutoDose: Portable Automatic Dispenser to Dispense High Dose Radiopharmaceutical	EMAS
PECIPTAMEDHEALTH-0082	Medical & Healthcare	Universiti Teknologi Malaysia	Dr Nurul Aini Bani	MYHAND - HANDHELD ASSISTED NON-INVASIVE DEVICE FOR POST STROKE PATIENTS	EMAS
PECIPTAMEDHEALTH-0038	Medical & Healthcare	Universiti Sains Malaysia	Dr Nur Karyatee Kassim	Facial Mask With Electrical Stimulation (FaMES)	EMAS
PECIPTAMEDHEALTH-0056	Medical & Healthcare	Universiti Kebangsaan Malaysia	Prof. Dr. Suzana binti Shahar	Cosmos Caudatus Plant Pure Powder Formulation As A Supplement To Reduce Risk Of Cognitive Dysfunction And Mood Disorders	EMAS
PECIPTAMEDHEALTH-0070	Medical & Healthcare	Universiti Malaysia Kelantan	Siti Nuurul Huda Mohammad Azmin	Coolit-Melon Nano Lotion	EMAS
PECIPTAMEDHEALTH-0086	Medical & Healthcare	UNIVERSITI MALAYA	Profesor Madya Ir. Ts. Dr. Lai Khin Wee	IoT Enabled Scoliosis Diagnosis Digital Device	EMAS
PECIPTAMEDHEALTH-0030	Medical & Healthcare	Universiti Sains Malaysia	DR TAN JOO SHUN	A Novel Active Ingredient Against Eczema Flare-up Caused by Methicillin-Resistant Staphylococcus aureus (MRSA)	EMAS
PECIPTAMEDHEALTH-0037	Medical & Healthcare	Universiti Teknologi MARA	Dr. Hassanain Al-talib	A Multiplex PCR Rapid Detection Kit for Hemorrhagic Bacteria from Stool Samples	EMAS
PECIPTAMEDHEALTH-0084	Medical & Healthcare	UNIVERSITI MALAYA	Associate Professor Dr. Vengadesh Periasamy	eProfiler-L: Electronic Sensor Platform for Detection & Characterization of Pathogens	EMAS
PECIPTAMEDHEALTH-0050	Medical & Healthcare	Universiti Kuala Lumpur	Dr Tong Woei Yenn	TheraHeal: Phomopsidione Antibiotic (PI2020000720) Loaded Dressing for Chronic Diabetic Wounds	EMAS
PECIPTAMEDHEALTH-0058	Medical & Healthcare	Universiti Tun Hussein Onn Malaysia	Hisyam Bin Abdul Rahman	Rehabilitation and Assessment Device (ReHAD)	EMAS
PECIPTAMEDHEALTH-0048	Medical & Healthcare	Universiti Sains Malaysia	Assoc. Prof. Ir. Ts. Zuratul Ain Binti Abdul Hamid	STAYZ Eco-friendly Denture Adhesive	EMAS
PECIPTAMEDHEALTH-0080	Medical & Healthcare	Universiti Teknologi Malaysia	Assoc Prof Ts ChM Dr Nik Ahmad Nizam Nik Malek	Silvern: KESUM-SILVER NANOPARTICLES AS ANTIBACTERIAL WOUND HEALING AGENT	EMAS
PECIPTAMEDHEALTH-0069	Medical & Healthcare	Universiti Utara Malaysia	Noraziah Che Pa (UUM)	[Neuro]-therapy: Game-based Psychotherapy Intervention for Memory Disorder	EMAS
PECIPTAMEDHEALTH-0077	Medical & Healthcare	UNIVERSITI MALAYA	Prof. Dr. Moy Foong Ming	MyDietCam - Behavioural Change Strategies Enhanced Mobile Diet Application	EMAS
PECIPTAMEDHEALTH-0088	Medical & Healthcare	Universiti Teknologi Malaysia	PROF DR MOHD AZIZI CHE YUNUS	POWERFUL ANTIOXIDANT RICH EXTRACT FROM PEANUT SKIN WASTE USING BIOGREEN TECHNOLOGY	EMAS
PECIPTAMEDHEALTH-0071	Medical & Healthcare	Universiti Malaysia Kelantan	Dr. Mohd Hakam Bin Nazir	Cedaderm shower gel	EMAS
PECIPTAMEDHEALTH-0061	Medical & Healthcare	Universiti Sains Islam Malaysia	Associate Professor Dr Mohd Azmani Sahar	USIM Q-CaT (Quality Cardiopulmonary-resuscitAtion kit for Training)	EMAS

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PECIPTAMEDHEALTH-0033	Medical & Healthcare	Management and Science University	Assoc. Prof. Dr. Mohd Zaki Bin Awg Isa	MSU Eye Assessment Charts and Ruler for Children with Special Needs	EMAS
PECIPTAMEDHEALTH-0068	Medical & Healthcare	Universiti Malaysia Terengganu	PROF MADYA DR. FATIMAH BINTI HASHIM	BETAC: BETA-GLUCANASE ENZYME AND CHLORHEXIDINE AS ACANTHAMOEBA CYSTICIDAL AGENT	EMAS
PECIPTAMEDHEALTH-0075	Medical & Healthcare	Universiti Malaysia Perlis	Assoc Prof. Ir. Ts. Dr. Saidatul norlyana azemi	e-QUARANTINE CENTRE: A Smart Monitoring Patients for Remote Quarantine using Disposable RFID Wristband Tag Technology	EMAS
PECIPTAMEDHEALTH-0052	Medical & Healthcare	Universiti Kebangsaan Malaysia	Prof. Dr. Mohd Yazid Bajuri	MyB Prosthetic Limb	EMAS
PECIPTAMEDHEALTH-0034	Medical & Healthcare	Multimedia University	Ong Lee Yeng	Telehealth for Sustainable Wellness	EMAS
PECIPTAMEDHEALTH-0053	Medical & Healthcare	Universiti Teknologi MARA	Dr Khuriah Abdul Hamid	AERO-G: Patch & Heal Hydrogel Dressing	EMAS
PECIPTAMEDHEALTH-0031	Medical & Healthcare	Universiti Putra Malaysia	ASSOC.PROF. TS DR NAZLINA SHAARI	ADAPTIVE WEAR FOR DISABLED ELDERLY	EMAS
PECIPTAMEDHEALTH-0043	Medical & Healthcare	Universiti Teknologi MARA	Profesor Madya Dr Muhammad 'Abid Bin Amir	SternaZip: An Innovative Surgical Device For Delayed Sternal Closure Utilizing Silver Nano Technology	EMAS
PECIPTAMEDHEALTH-0032	Medical & Healthcare	Universiti Kebangsaan Malaysia	Assoc. Prof. Dr Mohd Rohaizat bin Hassan	Tech Titan Leap: Towards Sustainable Personalized Diabetes Self-care Monitoring Using My Diabetes Apps	EMAS
PECIPTAMEDHEALTH-0008	Medical & Healthcare	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	W. OMAR ALI SAIFUDDIN B WAN ISMAIL	ADJUSTABLE ABLUTION WORKSTATION FOR WHEELCHAIR USER	EMAS
PECIPTAMEDHEALTH-0004	Medical & Healthcare	Universiti Malaysia Perlis	Dr. Mohamad Faris Bin Mohamad Fathil	MODIFIED INTERDIGITATED MICROELECTRODES FOR PROSTATE CANCER'S BIOMARKER DETECTION	EMAS
PECIPTAMEDHEALTH-0023	Medical & Healthcare	Management and Science University	Muhammad Danial Bin Che Ramli	The Effects of Nevgro Forte in Treating Depression	EMAS
PECIPTAMEDHEALTH-0063	Medical & Healthcare	UCSI University	Asst. Prof. Dr. Ashok Kumar Janakiraman	In the Quest for Natural Anti-Aging Face Serum: The Magnificent Mangosteen	EMAS
PECIPTAMEDHEALTH-0085	Medical & Healthcare	UNIVERSITI MALAYA	PROFESSOR IR. DR. FATIMAH IBRAHIM	A Smart Wearable Device for Monitoring Low Back Pain Rehabilitation	EMAS
PECIPTAMEDHEALTH-0047	Medical & Healthcare	International Islamic University Malaysia	Anis Nurashikin Nordin	I-Denv: Intelligent, Accurate Detection of Early Dengue and Dengue Variants	EMAS
PECIPTAMEDHEALTH-0067	Medical & Healthcare	Universiti Malaysia Terengganu	PROF MADYA TS. DR. MUSTAFA BIN MAN	AEDES TECH APPS	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0051	Environment & Biodiversity	Universiti Malaysia Sabah	ASSOCIATE PROF. DR. JIDON @ ADRIAN JANAUN	UMS River Cleaning Machine	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0052	Environment & Biodiversity	UNIVERSITI MALAYA	Professor. Ir. Dr. Ubagaram Johnson Alengaram	Promulgation of First Cement-Free Geopolymer Concrete House Constructed in Malaysia Using Low Carbon Footprint Materials	GANGSA

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PECIPTAENVIRONMENTBIODIVERSITY-0018	Environment & Biodiversity	UCSI University	Assoc. Prof. EUR ING. Ts. Dr. Yeap Swee Pin	Flex'C'Sense: A Low-Cost CO2 Gas Detector from Shape-Induced Polymerization of PANI on Graphene	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0048	Environment & Biodiversity	Quest International University	Prof Ir. Dr. Ahmad Faizul Shamsudin	Forest tree stress predictor mechanism for flood and fire prevention	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0024	Environment & Biodiversity	University of Technology Sarawak	Prof Ir Dr. Mohd Shahril Osman	Sustainable Restoration and Remanufacturing Solution of Obsolete Spare by Advanced Reverse Engineering Technology	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0035	Environment & Biodiversity	Universiti Tun Hussein Onn Malaysia	Assoc. Prof. Dr. Anggzas Sari Mohd Kassim	FlyBacSin: Anti-Flies & Anti-bacterial Spray (A Natural Insect Repellent)	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0008	Environment & Biodiversity	Universiti Tunku Abdul Rahman	Ts. Dr. Yew Ming Kun	ECO Innovation Ultra-Lightweight Foam Fibre-Reinforced Concrete	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0033	Environment & Biodiversity	Politeknik Tuanku Sultanah Bahiyah	DR. ROSSITAH BINTI SELAMAT	ELECTROMAGNETIC E. COLI REMOVAL PIPE (EERP)	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0042	Environment & Biodiversity	Universiti Malaysia Pahang	HANIDA ABDUL AZIZ	THE SAFETY HELMET DETECTION AND EMPLOYEE TRACKING (QRMet.)	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0036	Environment & Biodiversity	Universiti Malaysia Perlis	Assoc. Prof. Ts. Dr. Muhammad Mahyiddin Ramli	Gas Sensor From Oil Palm Tree Waste	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0006	Environment & Biodiversity	Universiti Teknikal Malaysia Melaka	Ts. Dr. Nurul Hanim Razak	OLEOPHILIC POLYMER WASTE OIL SOLIDIFIER (OPWOS)	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0029	Environment & Biodiversity	University College TATI	Suhaila Abdullah	Solid Polymer Electrolyte From Methylcellulose Base	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0027	Environment & Biodiversity	Universiti Putra Malaysia	MOHD ZULKHAIRI MOHD YUSOFF	B'Gest: Portable Biodigester for Biogas Production from Household Kitchen Waste	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0034	Environment & Biodiversity	Universiti Malaysia Terengganu	DR. EZMAHAMRUL AFREEN BIN AWALLUDIN	EZFISH: AUTOMATIC FISH SPECIES CLASSIFICATION SYSTEM USING DEEP LEARNING APPROACH	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0030	Environment & Biodiversity	DRB-HICOM UNIVERSITY OF AUTOMOTIVE MALAYSIA	EMYRA EZZATY MASIREN	PHOTOCATALYTIC DEGRADATION OF TEXTILE WASTEWATER	GANGSA
PECIPTAENVIRONMENTBIODIVERSITY-0049	Environment & Biodiversity	Universiti Teknologi Malaysia	Assoc. Prof. Ts. Dr. Norhaniza Yusof	ULTRA-TM3 MEMBRANE: THE FUTURE WATER RECLAMATION TECHNOLOGY	PERAK
PECIPTAENVIRONMENTBIODIVERSITY-0015	Environment & Biodiversity	Curtin University Malaysia	Tan Yie Hua	DEVELOPING MAGNETIC FUNCTIONALIZED CARBON NANOTUBE BASED BUCKYPAPER FOR MICROPOLLUTANTS REMOVAL	PERAK
PECIPTAENVIRONMENTBIODIVERSITY-0028	Environment & Biodiversity	Universiti Malaysia Pahang	DR NOOR SURAYA BINTI ROMALI	FDC: FLOOD DAMAGE CALCULATOR FOR DISASTER RISK REDUCTION	PERAK
PECIPTAENVIRONMENTBIODIVERSITY-0046	Environment & Biodiversity	Universiti Teknologi Malaysia	SR. GS. DR. NURUL HAWANI BINTI IDRIS	GEOTREES: AN INNOVATION OF TREE PLANTING, MONITORING AND VALUATION	PERAK
PECIPTAENVIRONMENTBIODIVERSITY-0010	Environment & Biodiversity	Universiti Teknologi MARA	PM Ts Dr Nor Suhaila Mohamad Hanapi	THE INNOVATION OF CARBON-BASED NANOMATERIALS AS PROMISING GREEN SORBENT FOR THE ANALYSIS OF DRUGS, PESTICIDES AND HEAVY METALS CONTAMINANTS	PERAK

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PECIPTAENVIRONMENTBIODIVERSITY-0053	Environment & Biodiversity	Universiti Teknologi Malaysia	Dr. Hajar Alias	Novel 2D MAX Hybrid Photocatalyst for H2 Production and Wastewater Degradation	PERAK
PECIPTAENVIRONMENTBIODIVERSITY-0031	Environment & Biodiversity	Universiti Kebangsaan Malaysia	Dr. Ahasanul Hoque	Negative indexed metamaterial absorber based Microwave Sensing for moisture detection	PERAK
PECIPTAENVIRONMENTBIODIVERSITY-0041	Environment & Biodiversity	Universiti Malaysia Pahang	DR. FATIMAH BINTI MAHMUD	STRATEGIC FRAMEWORK FOR SUSTAINABLE BIODEGRADABLE PLASTIC FOOD PACKAGING IN MALAYSIA	PERAK
PECIPTAENVIRONMENTBIODIVERSITY-0001	Environment & Biodiversity	UCSI University	Rabiatul Manisah Binti Mohamed	Treated Banana Peel Based Bioadsorbent Synthesized via Hydrothermal Carbonization	PERAK
PECIPTAENVIRONMENTBIODIVERSITY-0038	Environment & Biodiversity	Universiti Malaysia Pahang	DR. SUHAIDAH BINTI HUSSAIN	GREEN HRM INDEX: CONCEPTUAL FRAMEWORK FOR MANUFACTURING INDUSTRIES	PERAK
PECIPTAENVIRONMENTBIODIVERSITY-0039	Environment & Biodiversity	Universiti Tenaga Nasional	Ts. Dr. Ean Lee Woen	SEDIMENT BRICKS	PERAK
PECIPTAENVIRONMENTBIODIVERSITY-0004	Environment & Biodiversity	Universiti Sains Malaysia	CHEAH CHEE BAN	ECO-PROCESSED CONCRETE	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0026	Environment & Biodiversity	Universiti Malaysia Pahang	Dr Noormazlinah Binti Ahmad	Smart SSB - synbiotic soilbed for future agriculture application	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0020	Environment & Biodiversity	Multimedia University	PROF. IR. DR. HAIRUL AZHAR ABDUL RASHID	Handheld Radiation Survey Meter with Extendable Fiber Optic Probe	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0045	Environment & Biodiversity	Universiti Teknologi Malaysia	Assoc. Prof. Ts. Dr. Norhaniza Yusof	ULTRA-TM3 MEMBRANE: THE FUTURE WATER RECLAMATION TECHNOLOGY	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0032	Environment & Biodiversity	Universiti Malaysia Pahang	Assoc. Prof. Ts. Dr. Sumaiya bt. Zainal Abidin @ Murad	Intensified Aluminum Dross Recycling System for Alumina Production	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0019	Environment & Biodiversity	Universiti Malaysia Perlis	Associate Professor Dr. Midhat Nabil Ahmad Salimi	Carbon Capture by Eggshell Waste	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0005	Environment & Biodiversity	Universiti Sains Malaysia	Assoc. Prof. Dr. Nur Faeza Abu Kassim	BIOGEL: Green biopolymer hydrogel beads as frontier product for combating dengue.	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0022	Environment & Biodiversity	Universiti Pertahanan Nasional Malaysia	Prof. Emeritus Dato' Dr. Wan Md. Zin Wan Yunus	SILVER NANOPARTICLES INCORPORATED POLYURETHANE COATING FOR FUNGI GROWTH INHIBITION	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0021	Environment & Biodiversity	DRB-HICOM UNIVERSITY OF AUTOMOTIVE MALAYSIA	Ts. Dr. Ong Huei Ruey	CORROSION RESISTANCE NANOFLUIDS	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0016	Environment & Biodiversity	Universiti Putra Malaysia	Professor Ts. Dr. Hidayah Ariffin	Nanocellulose: A Versatile Nanoadditive	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0011	Environment & Biodiversity	Universiti Malaysia Kelantan	SUGANTHI APPALASAMY	Termicide: Nano Repellent for Household Pest Termites	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0012	Environment & Biodiversity	Universiti Malaysia Kelantan	Jayaraj Vijaya Kumaran	SpeedDNA Isolation Kit	EMAS

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PECIPTAENVIRONMENTBIODIVERSITY-0025	Environment & Biodiversity	Universiti Tunku Abdul Rahman	Assoc. Prof Dr Yamuna Munusamy	ProGreenRubber	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0043	Environment & Biodiversity	UNIVERSITI MALAYA	Juan Joon Ching	Smart Photoactive Air Purification Curtain Fabric (Fresh Air Curtain)	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0003	Environment & Biodiversity	Universiti Teknologi PETRONAS	Khairulazhar Jumbri	DFAST Antifoam for EWAG	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0007	Environment & Biodiversity	Universiti Sains Malaysia	MUAZ MOHD ZAINI MAKHTAR	SMART MICROBIAL FUEL CELL TECHNOLOGY: ENERGY RECOVERY AND PREMIUM BIOFERTILISER PRODUCTION	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0050	Environment & Biodiversity	Curtin University Malaysia	John Lau Sie Yon	Development of Novel Magnetic Hybrid Organic-inorganic Nanoflower-structured Biocatalyst	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0009	Environment & Biodiversity	Universiti Sains Malaysia	Dr. Mohammad Khairul Azhar Abdul Razab	Anti-Radon Nanocomposite Brick	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0023	Environment & Biodiversity	Universiti Kuala Lumpur	Ts. Dr. Mohd Amran Bin Mohd Daril	Sustainable IOT Based Environment & Industrial Monitoring System "SIBEMIMS"	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0047	Environment & Biodiversity	Universiti Teknologi Malaysia	PROFESSOR MADYA SR DR. AMI HASSAN MD DIN	Malaysian Quasi-Seamless Vertical Separation Models For Contemporary Hydrographic Surveys	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0017	Environment & Biodiversity	UCSI University	Lai Li Sze	Waste Cooking Oil to Green Fuel: A Creative Cheras Community Engagement Project	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0013	Environment & Biodiversity	Universiti Malaysia Kelantan	ChM Ts Dr Nor Hakimin Abdullah	B-CAPS 462; A Novel Plant-Based Capsules from Agriculture Waste for Oral Drug Delivery	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0040	Environment & Biodiversity	Universiti Malaysia Kelantan	NIK ALNUR AULI NIK YUSUF	ECO-NAA FILMS	EMAS
PECIPTAENVIRONMENTBIODIVERSITY-0037	Environment & Biodiversity	Universiti Pertahanan Nasional Malaysia	Assoc. Prof. Dr. Noor Azilah Mohd Kasim	ChloroSEN: A sensing material for detection of CHLORINE gas	EMAS
PECIPTAEGY-0020	Energy	Universiti Putra Malaysia	Prof. Ir. Dr. Mohd Sapuan Salit	COVID-19 Polypropylene Waste-derived Char Sugar Palm Starch filled Biocomposite Briquettes	GANGSA
PECIPTAEGY-0005	Energy	Universiti Malaysia Sarawak	Ir. Dr Hazrul bin Mohamed Basri	OGSAnuh - Smoke Machine Powered by Off Grid Solar PV System	GANGSA
PECIPTAEGY-0023	Energy	Universiti Malaysia Terengganu	CHM. DR. FARHANINI BINTI YUSOFF	REMAGS/GCE: ELECTROCATALYST FOR CLEAN ENERGY	GANGSA
PECIPTAEGY-0024	Energy	UNIVERSITI MALAYA	Dr. Iswadi Jauhari	A Pipeline Hydropower Generation System	GANGSA
PECIPTAEGY-0026	Energy	UNIVERSITI MALAYA	Associate Professor Ir. Dr. Mahidzal Dahari	A metal hydride based hydrogen storage system	GANGSA
PECIPTAEGY-0025	Energy	DRB-HICOM UNIVERSITY OF AUTOMOTIVE MALAYSIA	Dr. Aizuddin Abdul Rahman	Fixed - Bed Pyrolysis of Empty Fruit Bunches	GANGSA
PECIPTAEGY-0018	Energy	Universiti Tenaga Nasional	NUR SHAKIRAH MD SALLEH	Intelligent Solutions for Electricity Theft (ISET)	PERAK
PECIPTAEGY-0027	Energy	Universiti Teknologi Malaysia	Dr. Hajar Alias	Smart Monolith Photoreactor with Bio-Based Catalyst for Fuel Production	PERAK

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PECIPTAEGY-0003	Energy	Universiti Teknikal Malaysia Melaka	PM Dr Nurul Akmar Emran	Proxy-based Space Saving (PROSAVER)	PERAK
PECIPTAEGY-0022	Energy	Universiti Tun Hussein Onn Malaysia	Dr. Khairul Anuar bin Mohamad	TPR-MY: Test Post Remote Monitoring Unit for a Cathodic Protection System	PERAK
PECIPTAEGY-0019	Energy	UCSI University	Asst Prof Dr Teng Kah Hou	Bio-gas production from oil palm waste for sustainable waste management	PERAK
PECIPTAEGY-0002	Energy	Universiti Pertahanan Nasional Malaysia	Dr Nor Azlian binti Abdul-Manaf	BiOI for lead-free perovskite solar cells	PERAK
PECIPTAEGY-0014	Energy	Universiti Sains Malaysia	DR. MAJID KHAN MAJAHAR ALI	HYBRID SOLAR DRIER AND WIRELESS COMMUNICATION FOR EFFICIENT SEAWEED DRYING SYSTEM TO PRESERVE THE QUALITY	EMAS
PECIPTAEGY-0015	Energy	Universiti Teknologi MARA	Ts. Dr. Mohd Firdaus Malek	VERSATILE USE OF SELF-ORGANIZED ZAO NANOWIRES INTERLAYER IN HYBRID SOLAR CELLS VIA ULTRASONIC-ASSISTED MICROWAVE APPROACH	EMAS
PECIPTAEGY-0006	Energy	Universiti Malaysia Pahang	Ruwaida binti Abdul Rasid	OBT PROCESS: OXIDATIVE BIOMASS TORREFACTION PROCESS FOR A SUSTAINABLE BIOFUEL PRODUCTION	EMAS
PECIPTAEGY-0010	Energy	University of Southampton Malaysia	Assoc. Prof. Dr. Ng Jo-Han	B-MICA	EMAS
PECIPTAEGY-0016	Energy	Universiti Malaysia Pahang	TS. DR. WAN ISMAIL BIN IBRAHIM	Portable Hydrokinetic Energy Harnessing Devices	EMAS
PECIPTAEGY-0008	Energy	University of Southampton Malaysia	Dr. Wong Kok Hoe	SELF-SUSTAINED, HYBRID WIND-SOLAR POWERED ASSEMBLY FOR BILLBOARD	EMAS
PECIPTAEGY-0012	Energy	Universiti Pertahanan Nasional Malaysia	Assoc. Prof. Dr. Norhana Abdul Halim	SCOBY-Based Bacterial Cellulose as Free Standing Electrodes for Green Energy Storage Technology	EMAS
PECIPTAEGY-0017	Energy	Universiti Malaysia Pahang	TS. DR. NORAZLIANIE BINTI SAZALI	PORTABLE CARBON MEMBRANE FOR OXYGEN ENRICHMENT	EMAS
PECIPTAEGY-0011	Energy	Universiti Malaysia Perlis	Ir. Ts. Tunku Muhammad Nizar Bin Tunku Mansur	SMART LIGHTING CONTROL AND MONITORING SYSTEM	EMAS
PECIPTAEGY-0021	Energy	Universiti Malaysia Perlis	TS DR NOR FARHANI BINTI ZAKARIA	SSD BASED RF DETECTOR FOR 5G NETWORKS & RF-DC HARVESTING APPLICATION	EMAS
PECIPTAEGY-0001	Energy	Universiti Teknikal Malaysia Melaka	FATIMAH AL-ZAHRAH MOHD SA'AT	Cool Sound - cooling technology without refrigerants	EMAS
PECIPTAEGY-0007	Energy	Universiti Kebangsaan Malaysia	Assoc. Prof. Dr. Mohd Asri Mat Teridi	The novel low temperature processed bilayer silver/ternary peroxo-perovskite Transparent Conductive Oxide (TCO) thin film	EMAS
PECIPTAEGY-0009	Energy	Universiti Malaysia Sarawak	Siti Kudnie Sahari	SO-EL SMFC: Soil Single Chamber Microbial Fuel Cell (SMFC)	EMAS
PECIPTAEDUCATION-0052	Education	Universiti Pendidikan Sultan Idris	Nurul Ain Mohd Daud	Internship Counselling Management System (ICMS)	GANGSA
PECIPTAEDUCATION-0071	Education	KOLEJ UNIVERSITI ISLAM ANTARABANGSA SELANGOR	Dr. Phayilah Yama	WEB DEVELOPMENT IN VISUALIZING SYAJARAT AL-ASANID FROM SAHIH MUSLIM	GANGSA
PECIPTAEDUCATION-0010	Education	Universiti Pertahanan Nasional Malaysia	Dr.Shahrulfadly bin Rustam	Physical Fitness Index Application For Military Cadet Officers	GANGSA
PECIPTAEDUCATION-0031	Education	KOLEJ UNIVERSITI ISLAM ANTARABANGSA SELANGOR	DR LATIFA BIBI MUSAFAR HAMEED	STUDENTPRENEURSHIP IMPLEMENTATION MODEL VIA SADAQA HOUSE	GANGSA

Submission ID	Cluster	Name of IPT Agency	Name of Chief Researcher	Title of Entry	PINGAT
PECIPTAEDUCATION-0047	Education	Universiti Tun Hussein Onn Malaysia	DR AZITA ALI	3D INTERACTIVE VIDEO FOR RULES OF USING PERSONAL PROTECTIVE EQUIPMENT (PPE) IN WORKSHOP	GANGSA
PECIPTAEDUCATION-0029	Education	Universiti Kebangsaan Malaysia	Mazlyfarina Mohamad	Ka-Rad: Non-Immersive Virtual Reality Simulation for General X-Ray Machine Quality Control Test	GANGSA
PECIPTAEDUCATION-0062	Education	ASIA PACIFIC UNIVERSITY	Ts. Dr. Vinesha Selvarajah	Cybersecurity Awareness Master and Expert (CAME)	GANGSA
PECIPTAEDUCATION-0030	Education	Management and Science University	AHMAD MUSTAQIM BIN YUSOFF	LEARNING GATEWAY	GANGSA
PECIPTAEDUCATION-0045	Education	Universiti Sains Islam Malaysia	DR. NURDALILA A'WANI BINTI ABD AZIZ	HALAL VOCATION GAME	GANGSA
PECIPTAEDUCATION-0015	Education	Universiti Putra Malaysia	DR ILYANA BINTI JALALUDDIN	Learning with MobileVAR : Hunting with e-language	GANGSA
PECIPTAEDUCATION-0065	Education	Universiti Pendidikan Sultan Idris	Dr. Muhamad Hariz Muhamad Adnan	FLEXIO: Flexible, Inclusive and Open Educational Resources Virtual Technopreneurship Incubator	GANGSA
PECIPTAEDUCATION-0070	Education	Universiti Malaysia Terengganu	TS. DR. AZILA ADNAN	Illustrative Mind-maps (IMM): Make It Memorable	GANGSA
PECIPTAEDUCATION-0077	Education	Universiti Utara Malaysia	DR. MARDZELAH MAKHSIN	GENIUS AL-QURAN	GANGSA
PECIPTAEDUCATION-0040	Education	Universiti Pendidikan Sultan Idris	LEE HOI YEH	EasySeni: Interactive Hybrid Module	GANGSA
PECIPTAEDUCATION-0076	Education	Universiti Utara Malaysia	MUHAMMAD SYAFIQ BIN MOHD POZI	IU2E - INTELLIGENT UNIVERSITY EXPERT EXPLORER	GANGSA
PECIPTAEDUCATION-0083	Education	Universiti Pendidikan Sultan Idris	Ashardi Abas	Placement Management System. (PMS 1.0)	GANGSA
PECIPTAEDUCATION-0024	Education	Multimedia University	Diyana Binti Abdul Mahad @ Abdul Hamid	EduSprout	GANGSA
PECIPTAEDUCATION-0075	Education	Universiti Utara Malaysia	Abd Hadi Abd Razak	TEMBAK VKVK: Bermain Sambil Belajar - Pendekatan Pembelajaran Berasaskan Permainan	GANGSA
PECIPTAEDUCATION-0009	Education	Universiti Pertahanan Nasional Malaysia	ASSOC. PROF. TS. DR. SUZAIMAH RAMLI	A picture is a Poem without words	GANGSA
PECIPTAEDUCATION-0060	Education	UCSI University	Ts. Sr Dr. Nadzirah Hj. Zainordin	Sustainable Implementation Assessment Framework for Private Higher Education Institutions	GANGSA
PECIPTAEDUCATION-0035	Education	Universiti Putra Malaysia	Dr. Aslam Izah binti Selamat	Putra Salamans Board Game: Serious Game for Introductory Accounting	PERAK
PECIPTAEDUCATION-0086	Education	Universiti Teknologi Malaysia	Yeo Kee Jiar, Prof. Dr	Pirate of Word King: A Learning Mobile Application for Learners with Dyslexia	PERAK
PECIPTAEDUCATION-0048	Education	Universiti Pendidikan Sultan Idris	Ts. Dr. Faridah Hanim Yahya	SMART VISUAL LEARNING 3D GEOMETRY KITS FOR MATHEMATICS SECONDARY SCHOOLS	PERAK
PECIPTAEDUCATION-0032	Education	International Islamic University Malaysia	Associate Prof. Dr Faridah binti Nazir	TUBANA KIT: A NOVEL, COMBINED TOOL OF SPEECH, READ & COLOR TO AID SPECIAL NEEDS CHILDREN	PERAK
PECIPTAEDUCATION-0082	Education	POLITEKNIK SULTAN HAJI AHMAD SHAH	TEE LIAN YONG	CEPAT system (Civil Engineering Project Academic Terminal)	PERAK
PECIPTAEDUCATION-0022	Education	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	DR. SITI MAISARAH BINTI AZIZ	LENSOS-M	PERAK
PECIPTAEDUCATION-0069	Education	Universiti Malaysia Terengganu	DR SITI SALINA BINTI ABDULLAH	MODUL PSIKOPENDIDIKAN DAN KAUNSELING KELOMPOK TEORI ADLER TERHADAP PELAJAR BERISIKO: TRANSFORMASI PASCA COVID-19	PERAK
PECIPTAEDUCATION-0007	Education	Universiti Sains Islam Malaysia	Abdelrahman Ibrahim Suleiman Islaieh	Aiwah ...An Integrated Interactive Approach To Build The Personality Of Secondary School Students Academically, Spiritually And Physically	PERAK
PECIPTAEDUCATION-0012	Education	Universiti Tun Hussein Onn Malaysia	Ts. Muhammad Shukri bin Ahmad	ISOBOT	PERAK

Submission ID	Cluster	Name of IPT Agency	Name of Chief Researcher	Title of Entry	PINGAT
PECIPTAEDUCATION-0019	Education	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	PROF MADYA DR. HASANULDDIN BIN MOHD	E-TAHKIK	PERAK
PECIPTAEDUCATION-0027	Education	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	Prof. Madya Dr. Wan Mohd Khairul Firdaus Wan Khairuldin	The Hajj Chronicles: Permainan Papan Interaktif untuk Manasik Ibadah Haji	PERAK
PECIPTAEDUCATION-0088	Education	UNIVERSITI MALAYA	ASSOCIATE PROFESSOR DR. RAFIZA ABDUL RAZAK	Cultural-based Design Digital Ecosystem Professional Development	PERAK
PECIPTAEDUCATION-0020	Education	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	DR. SITI MAISARAH BINTI AZIZ	ELECTRICO	EMAS
PECIPTAEDUCATION-0067	Education	Universiti Malaysia Terengganu	DR. ABDUL HANIS BIN EMBONG	ASAS QUR'ANI (TALAQQI-TADRIB-TAHFIZ): SATU INOVASI DALAM PEMBELAJARAN ASAS AL-QURAN	EMAS
PECIPTAEDUCATION-0021	Education	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	Prof. Madya Ts. Dr. Roslan Umar	Boardgame: Kembara Alam Hartawan Falak (AL-KAHF)	EMAS
PECIPTAEDUCATION-0003	Education	Universiti Malaysia Sarawak	Assoc Prof Dr Souba Rethinasamy	e-EduTour: The Digital International Student Mobility Multi-Module	EMAS
PECIPTAEDUCATION-0041	Education	Universiti Pendidikan Sultan Idris	DR.ROMARZILA OMAR	MechaRoboKids	EMAS
PECIPTAEDUCATION-0038	Education	Universiti Kebangsaan Malaysia	DR. HILWA ABDULLAH @ MOHD. NOR	MAGIC BOX TINY FINGERS	EMAS
PECIPTAEDUCATION-0053	Education	KOLEJ UNIVERSITI ISLAM ANTARABANGSA SELANGOR	Dr. Ghazali bin Zainuddin	My Arabiy Game	EMAS
PECIPTAEDUCATION-0046	Education	Universiti Sains Islam Malaysia	Prof. Madya Dr. Mohammad Najib Jaffar	i-Tourism	EMAS
PECIPTAEDUCATION-0081	Education	Universiti Pendidikan Sultan Idris	Raja Noor Farah Azura binti Raja Ma'amor Shah	Augmented Reality (AR) Pocket Notes in Solid Geometry	EMAS
PECIPTAEDUCATION-0037	Education	Universiti Malaysia Sarawak	Amalia Madihie	Prediction Children Resilience with Resilience Assessment Tool 25 (RAT-25)	EMAS
PECIPTAEDUCATION-0066	Education	Universiti Utara Malaysia	Azman Ta'a	WEB-BASED APPLICATION OF AL-QURAN ONTOLOGY (QURANOLOGY)	EMAS
PECIPTAEDUCATION-0079	Education	Universiti Teknologi MARA	Prasanna Ramakrisnan	Online Assessment Proctoring and Monitoring using UFUTURE	EMAS
PECIPTAEDUCATION-0049	Education	Multimedia University	Prof. Ts. Dr. Tan Shing Chiang	LEFT AND RIGHT BRAIN BALANCING APPLICATION WITH EEG NEUROFEEDBACK SYSTEM	EMAS
PECIPTAEDUCATION-0025	Education	Universiti Teknologi MARA	Professor Madya Dr Nadiyah binti Abd Hamid	i-Asnaf ACT	EMAS
PECIPTAEDUCATION-0051	Education	Universiti Sains Islam Malaysia	A. IRWAN SANTERI BIN DOLL KAWAID	i-STATUS HADIS WORD ADD-IN	EMAS
PECIPTAEDUCATION-0044	Education	Universiti Sains Islam Malaysia	Assoc. Prof. Dr. Sakinah Ali Pitchay	CYBERPOLY: Cybersecurity Edugame	EMAS
PECIPTAEDUCATION-0006	Education	Universiti Malaysia Pahang	MUHAMMAD AIZZAT BIN ZAKARIA	DREBARedu - Mobile Robotics Teaching Module for TVET Education	EMAS
PECIPTAEDUCATION-0018	Education	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	MOHD SYAIFUL NIZAM BIN ABU HASSAN	Smoking Risks Awareness (Smoke-Not-King v2.0)	EMAS
PECIPTAEDUCATION-0039	Education	Universiti Pendidikan Sultan Idris	ARASINAH KAMIS	APLIKASI PEMBELAJARAN MEDIA AUGMENTED REALITY (AR) JAHIT PINTAR	EMAS

Submission ID	Cluster	Name of IPT Agency	Name of Chief Researcher	Title of Entry	PINGAT
PECIPTAEDUCATION-0054	Education	Universiti Pendidikan Sultan Idris	Saipolbarin bin Ramli	Arabic Language Gamification (A Smart Lu'bah)	EMAS
PECIPTAEDUCATION-0056	Education	Universiti Malaysia Kelantan	WAN AB AZIZ WAN DAUD	ARabic-KAFA: An Augmented Reality Platform for Teaching and Learning Arabic Vocabulary	EMAS
PECIPTAEDUCATION-0085	Education	Universiti Pendidikan Sultan Idris	TAQUDDIN B ABD MUKTI	Integrasi Kemahiran Belajar 5 Domain Dalam Program Prodigy	EMAS
PECIPTAEDUCATION-0084	Education	Universiti Utara Malaysia	Dr. Farah Mohamad Zain	KitDIAD	EMAS
PECIPTAEDUCATION-0034	Education	Universiti Sains Malaysia	NOR ASNIZA BINTI ISHAK	e-ReSP-AR	EMAS
PECIPTAEDUCATION-0074	Education	Universiti Tun Hussein Onn Malaysia	TS. DR. AHMAD FATEH BIN MOHAMAD NOR	A GRAPHICAL USER INTERFACE (GUI) PLATFORM FOR PHOTOVOLTAIC STUDY	EMAS
PECIPTAEDUCATION-0036	Education	University of Southampton Malaysia	Assoc. Prof. Dr. Ng Jo-Han	QUIZONA CHEMISTRY	EMAS
PECIPTAEDUCATION-0061	Education	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	Dr. Mohd Hasrul Shuhari	PEMBELAJARAN KITAB KUBRA AL-YAQINIYYAT BERDASARKAN AUGMENTED REALITY (AR) DAN TELEGRAM BOT	EMAS
PECIPTAEDUCATION-0042	Education	International Islamic University Malaysia	Dr. Nurul Nuha Abdul Molok	Pendekar Siber: A Novel Self-Empowerment Program for Young People to Combat Cyber Threats	EMAS
PECIPTAEDUCATION-0073	Education	Universiti Utara Malaysia	Nur Sauri Bin Yahaya	IVRAS4CROSE - BIJAK MELINTAS With Tamed Cybersickness	EMAS
PECIPTAEDUCATION-0026	Education	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	Prof. Madya Dr. Wan Mohd Khairul Firdaus Wan Khairuldin	Mushaf al-Huffaz: Mushaf al-Quran Komprehensif untuk Hafiz al-Quran	EMAS
PECIPTAEDUCATION-0023	Education	Universiti Pertahanan Nasional Malaysia	Prof. Dr. Hj. Hasan Al-Banna bin Mohamed	WEB APPLICATION ASSESSMENT TOOL FOR MEASUREMENT OF HUMAN DIMENSION FACTORS TO COMPLEMENT OPERATIONAL READINESS OF INDIVIDUAL AND UNITS	EMAS
PECIPTAEDUCATION-0072	Education	Universiti Utara Malaysia	Noradila Nordin	REV-OPOLY	EMAS
PECIPTAEDUCATION-0033	Education	Universiti Malaysia Perlis	Prof Madya Ts Dr Hakimah Osman	High Performance and Compostable New Meat and Poultry Trays Made From 100% Rice Straw	EMAS
PECIPTAEDUCATION-0055	Education	Universiti Sains Islam Malaysia	Prof. Dr. Azman Ab Rahman	Gamification of Global Tahfiz Game (GTG) in Teaching and Learning	EMAS
PECIPTAEDUCATION-0008	Education	Universiti Pendidikan Sultan Idris	Dr. Zamzana binti Zamzamid	Running Rangers Game: Super	EMAS
PECIPTAEDUCATION-0057	Education	Universiti Sains Islam Malaysia	DR. SITI FATIMAH BINTI MOHD TAWIL	DIGITAL QURAN MODEL FOR DEAF	EMAS
PECIPTAEDUCATION-0064	Education	Universiti Pendidikan Sultan Idris	Abdul Talib b. Mohamed Hashim	Model PiTaH : Pembelajaran Al-Quran Melalui Aktiviti Total Physical Response	EMAS
PECIPTAEDUCATION-0050	Education	Universiti Pertahanan Nasional Malaysia	DR. MOHD JUNAEDY BIN OSMAN	Yippie organo tiles - An Interactive Game For Pre-University Organic Chemistry	PERAK
PECIPTAEDUCATION-0089	Education	UNIVERSITI MALAYA	DR. RAJA JAMILAH BINTI RAJA YUSOF	CloudAQ: a cloud based software component to learn and comprehend Quranic and standard Arabic for non-Arabic speakers through Ainul QuranTM algorithm	PERAK
PECIPTAEDUCATION-0016	Education	Heriot-Watt University Malaysia	Ir. Dr. Riady Siswoyo Jo	PROCELUS (Portable Motor Control Educational Laboratory Apparatus)	PERAK
PECIPTAEDUCATION-0068	Education	Universiti Malaysia Terengganu	DR. NURUL AIN CHUA BINTI ABDULLAH	Considering Students' Learning Needs: A Differentiated Mobile App for Foreign Language Learning: DIFFIES	PERAK
PECIPTAEDUCATION-0028	Education	Universiti Teknikal Malaysia Melaka	Haslinah binti Mohd Nasir	i-LEARN APPS	PERAK
PECIPTAEDUCATION-0087	Education	Universiti Malaysia Sabah	Dr. Mohd Shamrie Sainin	Malay-Kadzandusun Dictionary, Translator and Spell Checker	PERAK

Submission ID	Cluster	Name of IPT Agency	Name of Chief Researcher	Title of Entry	PINGAT
PECIPTACULARTTOUR-0013	Culture, Arts & Tourism	Kolej Komuniti Kuala Terengganu	Jamalul Azam bin Johari	ECOPRINT: MELESTARI KRAF MELALUI ALAM SEMULAJADI	GANGSA
PECIPTACULARTTOUR-0002	Culture, Arts & Tourism	KOLEJ UNIVERSITI ISLAM ANTARABANGSA SELANGOR	Dr. Rosfazila Binti Abd Rahman	i-HOLISMIK MODEL BUDAYA ORGANISASI ISLAM HOLISTIK, KE ARAH KELESTARIAN PENGURUSAN ORGANISASI	GANGSA
PECIPTACULARTTOUR-0005	Culture, Arts & Tourism	Multimedia University	Dr Olivia Tan Swee Leng	First Malaysia Time-Bank for Inter-Generational Activities	GANGSA
PECIPTACULARTTOUR-0011	Culture, Arts & Tourism	Universiti Malaysia Kelantan	MOHD ASWAWI ISA	GENDANG KECAPI BULUH	GANGSA
PECIPTACULARTTOUR-0006	Culture, Arts & Tourism	Universiti Teknologi MARA	Khairul Nizan Bin Mohd Aris	NIZAN DESIGN - An Innovative Handmade Tableware	PERAK
PECIPTACULARTTOUR-0004	Culture, Arts & Tourism	Multimedia University	Foo Lee Kien	SpotTrip	PERAK
PECIPTACULARTTOUR-0012	Culture, Arts & Tourism	Universiti Malaysia Kelantan	Dr. Muhamad Ezran bin Zainal Abdullah	FLUX: A Modular 3D Printed Furniture Joinery System	PERAK
PECIPTACULARTTOUR-0015	Culture, Arts & Tourism	Universiti Malaysia Sabah	Dr. Kavitha Ganesan	Creating an Innovative Prototype of The Lundayeh Biter Through a Drum Drying Method	PERAK
PECIPTACULARTTOUR-0003	Culture, Arts & Tourism	Universiti Pertahanan Nasional Malaysia	Wan Norhasniah binti Wan Husin	Web-Based Ethnic Tolerance Index Dashboard (My ETI)	EMAS
PECIPTACULARTTOUR-0007	Culture, Arts & Tourism	Universiti Sains Islam Malaysia	Prof Madya Ar. Dr. Elina Mohd Husini	ICE Box (Indoor, Comfort, Environment)	EMAS
PECIPTACULARTTOUR-0010	Culture, Arts & Tourism	Universiti Sains Malaysia	Associate Professor Dr Garry Kuan Pei Ern	Nurul Module	EMAS
PECIPTACULARTTOUR-0001	Culture, Arts & Tourism	Universiti Teknologi MARA	Dr Ahmad Faiza Mohd	Modernization Of The Injection Dyes Technology On The Traditional Natural Fibres Batik Printing Quality	EMAS
PECIPTACULARTTOUR-0009	Culture, Arts & Tourism	Universiti Pendidikan Sultan Idris	Dr. Fara Dayana Binti Mohd Jufry	Wayang EDU	EMAS
PECIPTACULARTTOUR-0008	Culture, Arts & Tourism	Universiti Tun Hussein Onn Malaysia	Dr. Khairul Anuar bin Kamri	CERI-ET (CROSS ETHNIC RELATIONSHIP INSTRUMENT - ETHNIC TOLERANCE ONLINE TEST)	EMAS
PECIPTACULARTTOUR-0014	Culture, Arts & Tourism	Universiti Teknologi MARA	MUHAMAD ABDUL AZIZ AB GANI	EZSUNNAH AUGMENTED REALITY GAME	EMAS
PECIPTABIZFIN-0004	Business & Financial Services	Universiti Malaysia Sarawak	Assoc. Prof. Dr Mohammad Affendy Arip	Smart Community Application Network System (SCANS)	GANGSA
PECIPTABIZFIN-0010	Business & Financial Services	Universiti Malaysia Sabah	Dr. Sharon Kwan Sam Mee	One click - All out! The development of myXpert mobile apps and website in supporting Malaysians to deal with post-pandemic Covid-19 recovery.	GANGSA
PECIPTABIZFIN-0007	Business & Financial Services	Universiti Utara Malaysia	Tan Chee Yu	All-in-One Mobile Accounting System	GANGSA
PECIPTABIZFIN-0002	Business & Financial Services	Universiti Sains Islam Malaysia	Prof Madya Dr Khairil Faizal bin Khairi	APLIKASI SCCP – MS1900:2014 DALAM PENGESANAN TRANSAKSI KEWANGAN SOSIAL ISLAM BERASASKAN TEKNOLOGI BLOCKCHAIN - MYSIF CHAIN	PERAK
PECIPTABIZFIN-0006	Business & Financial Services	Universiti Malaysia Perlis	Ts. DR. WAN NOR MUNIRAH ARIFFIN	MATCHED TO CLEAR OFF OVERSTOCK, FIND THE PERFECT MATCH OF PROMOTION PRODUCTS	PERAK
PECIPTABIZFIN-0009	Business & Financial Services	Universiti Teknologi Malaysia	Nurul Hana Adi Maimun	Artificial Neural Network model (ANN) for Forecasting Affordable Housing Demand	PERAK

Submission ID	Cluster	Name of IPT Agency	Name of Chief Researcher	Title of Entry	PINGAT
PECIPTABIZFIN-0003	Business & Financial Services	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	ASSOC. PROF. DR. FAUZILAH BINTI SALLEH	CROP MICRO TAKAFUL SCHEME FRAMEWORK	EMAS
PECIPTABIZFIN-0001	Business & Financial Services	Universiti Teknikal Malaysia Melaka	PROF MADYA TS DR MOHAMMED HARIRI BIN BAKRI	I'M PAY (ISLAMIC PAYMENT GATEWAY)	EMAS
PECIPTABIZFIN-0008	Business & Financial Services	Universiti Teknologi MARA	DR NUR SYUHADA JASNI	Strategic Sustainability Radar Assessment (SSRA) 4.0	EMAS
PECIPTABIZFIN-0005	Business & Financial Services	International Islamic University Malaysia	ASSOC. PROF. Ts. DR. NORMI SHAM AWANG ABU BAKAR	Sustainable Social Bank (SSB)	EMAS
PECIPTAAGRICULTUREFOREST-0026	Agriculture & Forestry	UCSI University	Dr. Ammar Abdulaziz Al Talib	Solar seed sprayer machine	GANGSA
PECIPTAAGRICULTUREFOREST-0019	Agriculture & Forestry	Universiti Pendidikan Sultan Idris	Assoc. Prof. Dr. Wang Shir Li	Smart Aqua Farming	GANGSA
PECIPTAAGRICULTUREFOREST-0036	Agriculture & Forestry	Universiti Utara Malaysia	Dr. Nurulhuda Ibrahim	Padi MAS (Malaysia Agricultural Simulation)	GANGSA
PECIPTAAGRICULTUREFOREST-0010	Agriculture & Forestry	Universiti Malaysia Sarawak	Associate Professor Dr Ting Su Hie	Online Canvass Instrument for Public Perception of Pineapple Intake (OCiPIN)	GANGSA
PECIPTAAGRICULTUREFOREST-0024	Agriculture & Forestry	UCSI University	Ts Dr Sarah 'Atifah Binti Saruchi	TBot Spray	GANGSA
PECIPTAAGRICULTUREFOREST-0003	Agriculture & Forestry	Universiti Putra Malaysia	ChM. Muhammad Farhan Nazarudin	SargaSynbiotic Feed Enhancer for Shrimp Aquaculture	GANGSA
PECIPTAAGRICULTUREFOREST-0033	Agriculture & Forestry	Universiti Malaysia Terengganu	PROF. MADYA DR. NORASMAH BASARI	BEEHIVE-FENCE: A NEW MITIGATION METHOD TO DETER ELEPHANT IN THE OIL PALM PLANTATION	GANGSA
PECIPTAAGRICULTUREFOREST-0031	Agriculture & Forestry	Universiti Malaysia Terengganu	DR. WAN ZALIHA WAN SEMBOK	SILENT PLANTERS: A WAY FORWARD TO GENERATE SIDE INCOME OF DEAF COMMUNITY	GANGSA
PECIPTAAGRICULTUREFOREST-0008	Agriculture & Forestry	Management and Science University	Prof. Dato' Dr. Md Gapar Md Johar	Smart Poultry Farm Monitoring System	GANGSA
PECIPTAAGRICULTUREFOREST-0007	Agriculture & Forestry	UNIVERSITI SULTAN ZAINAL ABIDIN (UniSZA)	DR. ELISSA NADIA BINTI MADI	Sustainable Agriculture Starter Kit using Solar Powered Smart Fertigation Model (SoSFeM)	GANGSA
PECIPTAAGRICULTUREFOREST-0006	Agriculture & Forestry	Universiti Teknologi PETRONAS	Dr Mazeyanti Mohd Ariffin	PREDITACK: IOT-Enabled Pest Management Device for Invasive Mollusc in Paddy Fields	GANGSA
PECIPTAAGRICULTUREFOREST-0041	Agriculture & Forestry	UNIVERSITI MALAYA	Subha Bhassu	Method For Producing A Kit For Detection And Monitoring Shrimp Biohealth	GANGSA
PECIPTAAGRICULTUREFOREST-0009	Agriculture & Forestry	Universiti Malaysia Perlis	TS DR FATHINUL SYAHIR BIN AHMAD SA'AD	Harumanis Intelligent Quality System (HIQs)	GANGSA
PECIPTAAGRICULTUREFOREST-0034	Agriculture & Forestry	Universiti Malaysia Terengganu	PROF MADYA TS. DR. SHAHRUL ISMAIL	ECOGROW	PERAK
PECIPTAAGRICULTUREFOREST-0035	Agriculture & Forestry	Universiti Malaysia Terengganu	TS. DR AIDILLA MUBARAK	KeluLis	PERAK
PECIPTAAGRICULTUREFOREST-0015	Agriculture & Forestry	Universiti Putra Malaysia	Mr. Md Rozaidi bin Md Yusof	Putra Pro-Cut and Putra Fast-Snap Innovative Apparatus for Marcotting Technique	PERAK
PECIPTAAGRICULTUREFOREST-0028	Agriculture & Forestry	Universiti Utara Malaysia	Assoc. Prof. Dr. Shri Dewi A/P Applanaidu	Kiddy's Edu Hydroponic Kit	PERAK
PECIPTAAGRICULTUREFOREST-0023	Agriculture & Forestry	Universiti Tun Hussein Onn Malaysia	Dr. Nur Aqilah Awg Abdul Rahman	Pan-Gaea Meal: Using Palm Kernel Expeller Fed Black Soldier Fly (Hermetia Illucens) as Animal Feed	PERAK

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PECIPTAAGRICULTUREFOREST-0043	Agriculture & Forestry	Universiti Malaysia Sabah	Dr. Cahyo Budiman	IPBro: Production System of Soluble, Active and Stable Recombinant Bromelain	PERAK
PECIPTAAGRICULTUREFOREST-0020	Agriculture & Forestry	Universiti Sains Islam Malaysia	Prof Ir. Dr. Hafizal Mohammad	e-Prosumer: Smart Precision Fertigation System	PERAK
PECIPTAAGRICULTUREFOREST-0038	Agriculture & Forestry	Politeknik Jeli Kelantan	Nur Eastiharah binti Mohmad Hairin	Carbon Dioxide Enrichment System using Fermentation of CRAM (Crop Residue and Manure) to Increase Chilli Production under Greenhouse System	PERAK
PECIPTAAGRICULTUREFOREST-0025	Agriculture & Forestry	Universiti Putra Malaysia	PROF. TS. DR. ROSNAH SHAMSUDIN	VERSMAP	PERAK
PECIPTAAGRICULTUREFOREST-0021	Agriculture & Forestry	Universiti Malaysia Kelantan	Dr. Muhammad Nurfaiz bin Abd. Kharim	IPCA-RGB Fertilization Algorithm	PERAK
PECIPTAAGRICULTUREFOREST-0016	Agriculture & Forestry	Universiti Sains Malaysia	Assoc. Prof. Ir. Dr. Leo Choe Peng	CellinAir Cultivation System for Sustainable Microalgae Production	EMAS
PECIPTAAGRICULTUREFOREST-0011	Agriculture & Forestry	Universiti Putra Malaysia	Norhayu Asib	MILAGRO MATADO	EMAS
PECIPTAAGRICULTUREFOREST-0044	Agriculture & Forestry	Universiti Malaysia Sabah	ASSOCIATE PROF. DR. JIDON @ ADRIAN JANAUN	Integrated Solar Dryer (INSOLER)	EMAS
PECIPTAAGRICULTUREFOREST-0004	Agriculture & Forestry	Universiti Sains Malaysia	Dr. Chew Bee Lynn	Rapid Propagation of Novel Fig Plant Stocks via Tissue Culture Technology for The Production of Standardized and Consistent Quality Fruits.Rapid Propagation of Novel Fig Plant Stocks via Tissue Culture Technology for The Production of Standardized and Consistent Quality Fruits	EMAS
PECIPTAAGRICULTUREFOREST-0040	Agriculture & Forestry	Universiti Malaysia Kelantan	Laila Naher	Mushroom crackers: An innovative organic snack for healthy consumers and green from producer	EMAS
PECIPTAAGRICULTUREFOREST-0027	Agriculture & Forestry	Universiti Kuala Lumpur	Dr. Siti Noorain binti Roslan	DHS Cultivation System: Efficient & Eco-Friendly Technology for Marine Algae Farming and Wastewater Treatment	EMAS
PECIPTAAGRICULTUREFOREST-0037	Agriculture & Forestry	Universiti Malaysia Perlis	Assoc. Prof. Ts. Dr. Zulkifli Bin Husin	Development of Intelligent Agriculture Management Information System	EMAS
PECIPTAAGRICULTUREFOREST-0013	Agriculture & Forestry	Universiti Malaysia Perlis	Ts. Dr. ISZAIDY BIN ISMAIL	IoT-based Slope Health Monitoring System	EMAS
PECIPTAAGRICULTUREFOREST-0030	Agriculture & Forestry	Universiti Malaysia Perlis	Ts. Erdy Sulino Bin Mohd Muslim Tan	HabaQQ NPK - Prediction Of Soil Nutrient for Harumanis Mango Vegetative Shoot Grow Harumanis Mango based TDR Method	EMAS
PECIPTAAGRICULTUREFOREST-0032	Agriculture & Forestry	Universiti Malaysia Terengganu	PROF. MADYA DR. WAHIZATUL AFZAN AZMI	QUEEN BLUEPRINT: IN-VITRO STINGLESS BEE QUEEN REARING FOR HONEY AND COLONY UPSCALE PRODUCTION	EMAS
PECIPTAAGRICULTUREFOREST-0039	Agriculture & Forestry	Universiti Malaysia Perlis	Ts. DR. NURULISMA ISMAIL	SMART PREDICTION SYSTEM FOR THE QUALITY OF FISH IN SUPPLY CHAIN WITH THE INTEGRATION OF INTERNET OF THINGS (QFISH-IoT)	EMAS
PECIPTAAGRICULTUREFOREST-0002	Agriculture & Forestry	Universiti Putra Malaysia	ChM. Dr. Siti Efliza Ashari	BioEsst OLeate: Highly Potent Anti-tyrosinase Inhibitor to Treat Hyperpigmentation Disease	EMAS
PECIPTAAGRICULTUREFOREST-0046	Agriculture & Forestry	Universiti Teknologi Malaysia	Dr. Rudzidatul akmam binti dziyauddin	SPO-GPS: SELF-POWER GLOBAL POSITIONING DEVICE AND MONITORING SYSTEM	EMAS
PECIPTAAGRICULTUREFOREST-0017	Agriculture & Forestry	International Islamic University Malaysia	Zaleha Kassim	FLIUZ: High quality, assured nutritional values, cheap microalgae for an intensive aquaculture	EMAS
PECIPTAAGRICULTUREFOREST-0014	Agriculture & Forestry	Universiti Putra Malaysia	Prof Madya Dr Ina Salwany Md Yasin	ViVac UPM: Aquafeed vaccine against vibriosis in marine fishes	EMAS
PECIPTAAGRICULTUREFOREST-0029	Agriculture & Forestry	Universiti Putra Malaysia	Prof. Ir. Ts. Dr. Mohamed Thariq bin Haji Hameed Sultan	BLADE FOR PINEAPPLE LEAF FIBER EXTRACTOR MACHINE	EMAS
PECIPTAAGRICULTUREFOREST-0042	Agriculture & Forestry	Quest International University	Ts. Dr. Teh Chui Yao	ProMax-Root: A sustainable solution to enhance crop performance under phosphorus deficiency	EMAS
PECIPTAAGRICULTUREFOREST-0012	Agriculture & Forestry	Universiti Malaysia Sarawak	Ts Dr Hamimah binti Ujir	ShroomGrowth	EMAS

Submission ID	Cluster	Name of IPT Agency	Name of Chief Researcher	Title of Entry	PINGAT
PECIPTAAGRICULTUREFOREST-0018	Agriculture & Forestry	International Islamic University Malaysia	Assoc. Prof. Ts. Dr. Muhammad Lokman Md Isa	HALAL, LOCALLY PRODUCED, CHEAP BUT SUPER HIGH-QUALITY NAPIER-BASED SILAGE - RUFOD™	EMAS
PECIPTAAGRICULTUREFOREST-0022	Agriculture & Forestry	Universiti Tun Hussein Onn Malaysia	Associate Professor Ts. Dr. Elmy Johana Binti Mohamad	Smart Agriscan	EMAS
PECIPTAAGRICULTUREFOREST-0045	Agriculture & Forestry	Universiti Malaysia Sabah	Dr. Affendy bin Hassan	Smallfarm Fertilizer Spreader (SFS)	EMAS