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REKA

INDUSTRY NETWORKING AND BUSINESS PITCHING

2018

20th DECEMBER 2018

Dewan Ilmu,
Kampus Alam UniMAP,
Pauh Putra, Perlis.



OBJECTIVES OF EREKA 2018

- To encourage researchers / inventors to showcase their innovations
- Recognition of the need for and ability to engage in lifelong learning in order to build up their own career.
- To increase networking and collaboration among researchers.
- To support the nation's advancement through research and development activities in science and technology.
- To match researchers/inventors with possible collaborators and investors

MAIN ORGANIZERS

- Universiti Malaysia Perlis (UniMAP)
- UniMAP Holdings Sdn Bhd

INVENTION & INNOVATION EXHIBITION CATEGORIES

Agriculture, Aquaculture & Environment

NO	NAME OF MAIN INVENTOR	NAME OF INVENTION / PRODUCT	INSTITUTION
1.	TIJJANI ADAM	AUTOMATIC SOLAR WATER PUMP ACTIVATED THROUGH A HUMIDITY SENSOR WITH UNIVERSAL FREQUENCY CONVERSION CONTROL SYSTEM FOR ARID LAND	Universiti Malaysia Perlis (UniMAP)
2.	AZLIN FAZLINA BT OSMAN	OPEFB ALL-CELLULOSE COMPOSITE " FROM WASTE TO BIOPLASTIC	
3.	AINI SYUHADA BINTI MD ZAIN	IOT BASED MONITORING AND CONTROLLING SYSTEM FOR MUSHROOM CULTIVATION	
4.	NUR HIDAYAH RAMLI	WATER QUALITY MONITORING SYSTEM FOR AGRICULTURE APPLICATIONS	
5.	ROSLAILI ABDUL AZIZ, MOHD. NAZRY SALLEH, SAHIBIN ABD. RAHIM, WAN MOHD RAZI IDRIS & AIN NIHLA KAMARUZZAMAN	GF-OC CLINOPTILOLITE-BASED FERTILIZER	
6.	HEAH CHENG YONG	SUSBLEBOND	
7.	LIEW YUN MING	AMICATILE	
8.	TS. DR. ZULKIFLI BIN HUSIN	PREDICTION OF NON-DESTRUCTIVE EARLY ASSESSMENT OF FRUIT RIPENESS AND QUALITY MONITORING FOR SMART AGRICULTURAL.	
9.	IR. ROSDISHAM BIN ENDUT	NON-INVASIVE CLOUD BASED HARUMANIS SWEETNESS PREDICTION USING NIRS	
10.	AIMI ATHIRAH AZNAN	MACHINE VISION-BASED INSPECTION SYSTEM FOR RICE SEED INDUSTRY	
11.	TAN CHAN SIN	AUTO-BUBBLE EDIBLE BIRD NEST CLEANING MACHINE	
12.	FATHINUL SYAHIR AHMAD SAAD	FRUIT RIPENESS DETECTOR	
13.	ABU HASSAN BIN ABDULLAH	LEAKMON : MONITOR AND ALERT SYSTEM OF LPG LEAKAGE AT GAS CYLINDER REFURBISH PLANT USING IOT-BASED ELECTRONIC NOSE	
14.	MOHD SYEDI IMRAN MOHD DAWI	SRI PLANTING TOOL	
15.	NOOR SHAZLIANA AIZEE BINTI ABIDIN	HARUMANIS HIGH FIBER PASTILLE	
16.	IRNIS AZURA ZAKARYA	RSA: FROM PADDY TO PADDY	
17.	ROSHITA IBRAHIM	MUSHROOM CAN REALLY LISTEN...	
18.	ROSHITA IBRAHIM	MUSHROOM: AN EFFICIENT AGRO-WASTES CONVERTER	
19.	NOORULNAJWA DIYANA YAACOB	MYCOFOAM FROM WHITE OYSTER MUSHROOM	
20.	MOHAMAD SHAIFUL ASHRUL BIN ISHAK	PORTABLE BIOMASS GASIFICATION FOR ELECTRICITY GENERATION	
21.	KARTINI ALIR	APP-BASED GREENHOUSE AGRO IN URBAN LIFESTYLE	
22.	NUR IZZATI BINTI IBERAHIM	ENZYMATIC HYDROLYSIS PATIN CATFISH OIL	
23.	SITI KARTINI ENCHE AB RAHIM	A NOVEL MULTI-FUNCTIONALITY GREEN CATALYST	

INVENTION & INNOVATION EXHIBITION CATEGORIES

Agriculture, Aquaculture & Environment

24.	SITI KARTINI ENCHE AB RAHIM	SELF-CLEANING MIXED MATRIX MEMBRANE	Universiti Malaysia Perlis (UniMAP)
25.	ROHAZITA BAHARI	GREEN BEAUTY PRODUCTS FROM HARUMANIS PRUNED LEAVES EXTRACT	
26.	NORDIANA BINTI SHARIFFUDIN	WIRELESS SOLAR POWER CHARGING SYSTEM FOR LONG TERM OFF-GRID APPLICATIONS	
27.	SRIYANA ABDULLAH	PROTEIN-ENRICHED BIOMASS FOR POULTRY FEED INGREDIENT	
28.	DR ALINA RAHAYU MOHAMED	SOLID FUEL PELLET FROM EMPTY FRUIT BUNCH	
29.	NUR AQILAH BT MOHD RAZALI/ NUR FARAH BT MOHD HUSSEIN	WASTEWATER TECHNOLOGY WITH UTILIZATION OF ADVANCED OXIDATION PROCESSES (AOPS)	
30.	ABDUL LATIF BIN ABDUL RANI	STURDINESS	
31.	NOOR HASYIERAH MOHD SALLEH, SHU MENG HONG, SRIYANA ABDULLAH, ADILAH ANUAR, NUR ZATUL 'IFFAH ZAKARIA, NOR MUNIRAH ROHAIZAD, NOR AIDA YUSOFF, AMIRA FARZANA SAMAT, ALINA RAHAYU MOHAMED, NUR IZZATI IBERAHIM, SITI NOR AZREEN AHMAD TERMIZI	GREEN FUNGICIDE OF CINNAMON OIL AND SODIUM BICARBONATE TO CITRUS FRUITS	
32.	ZARINA BINTI ZAKARIA	CONTROL INDOOR OYSTER MUSHROOM CULTIVATION WITH OPTIMAL HUMIDITY AND WEB BASED ENVIRONMENT MONITORING SYSTEM	
33.	TS. DR. ALLAN MELVIN A/L ANDREW	PLASTICTRACER: A NOVEL ARTIFICIAL INTELLIGENCE- INSPIRED RAPID TEST KIT FOR BIODEGRADABLE, COMPOSTABLE AND CONVENTIONAL PLASTICS CLASSIFICATION IN ENVIRONMENTAL ENFORCEMENT	
34.	SYAHRUL AFFANDI SAIDI	SOIL SENSOR FOR AGRICULTURE INDUSTRY	
35.	MUHAMMAD NUR AIMAN BIN UDA	SILICA-GRAPHENE NANOCOMPOSITE: A NANOFORMULATED FERTILIZER FOR ARSENIC REMOVAL FROM PADDY GRAIN	
36.	NOOR MARIAMADZLIZA MOHD NAN	O'FILTERZ	
37.	MOHD RIDUAN JAMALLUDIN	G-MEMBRANE: GREEN MEMBRANE FOR HYBRID SEPARATION/ABSORPTION FOR OIL-WATER MIXTURE	
38.	LIM HAN KOON	WASTE TO WEALTH: THE HIDDEN GEMS OF COFFEE WASTE	
39.	MOHD FAIRUS BIN AHMAD	MEMBRANE-BASED P/N-JUNCTION-CATALYST USING LIGHT FOR WATER CLEANING	
40.	MOHD AL HAFIZ MOHD NAWI	A NOVEL GREEN TECHNOLOGY KAFFIR LIME EXTRACT AS LIZARD REPELLENT	
41.	NOOR AINEE BINTI ZAINOL	BANANA PITH AS PLANT BASED COAGULANT FOR RIVER WATER TREATMENT	
42.	ZAINAB BINTI HAMZAH	A GREEN BIOPESTICIDE FROM BIOMASS WASTE	
43.	SITI AMINAH BINTI MOHD HASSAN	UTILIZATION OF LIGNOCELLULOSIC BIOMASS WASTE AS SUBSTRATE FOR "CENDAWAN	

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Agriculture, Aquaculture & Environment

44.	SITI AMINAH BINTI MOHD HASSAN	KUKUR" MUSHROOM SPAWN PRODUCTION CULTIVATION OF "CENDAWAN KUKUR" MUSHROOM USING BIOMASS WASTE FROM PADDY PRODUCTION	
45.	MOHD AL HAFIZ MOHD NAWI	PELLET SPREADER DRONE FOR AGRICULTURAL INTELLIGENCE	
46.	KU SYAHIDAH KU ISMAIL	MULTI-STRESS TOLERANT BIOCATALYST FOR LIGNOCELLULOSIC BIOETHANOL PRODUCTION	Universiti Malaysia Perlis (UniMAP)
47.	LEE YIT LENG	GE-PELLET	
48.	RAS IZZATI BINTI ISMAIL	TORRIFIED ENERGY PELLET (TEP)	
49.	ALIDA BINTI ABDULLAH	FLY ASH LIGHTWEIGHT GEOPOLYMER AGGREGATE (LIGA): ENVIRONMENTAL FRIENDLY INSULATOR MATERIALS FOR BUILDING APPLICATION	
50.	AMIR SYAHIR BIN AMIR HAMZAH	SMART-PHONE ASSISTED MERCURY DETECTOR	Universiti Putra Malaysia (UPM)
51.	AMIR SYAHIR BIN AMIR HAMZAH	GOOD HONEY INDEX	
52.	NADZIRAH BTE MOHD MOKHTAR	MDSOLUTION:MD COMPACT UNIT FOR INDUSTRIAL WASTEWATER TREATMENT	Universiti Malaysia Pahang (UMP)
53.	DR. ERVINA EFZAN MHD NOOR	SUSTAINABLE POLYMER NANOCOMPOSITES	Universiti Multimedia (MMU)

INVENTION & INNOVATION EXHIBITION CATEGORIES

Education, Humanity & Quality of Life

NO	NAME OF MAIN INVENTOR	NAME OF INVENTION / PRODUCT	INSTITUTION
1.	NURULISMA BINTI HJ. ISMAIL	VOICE BASED APPLICATION SYSTEM TO LEARN RECITING AL-QURAN FOR AUTISM CHILDREN (VB-QURAN-AUT)	Universiti Malaysia Perlis (UniMAP)
2.	PM DR AMANI ALI	THE EFFECT LGBT IN COMMUNITY (STUDY CASE)	
3.	DR. ZOL BAHRI RAZALI	NOVEL INVENTION IN HANDS-ON PSYCHOMOTOR ASSESSMENT	
4.	MUHAJIR AB. RAHIM	INMOSD- INTEGRATIVE MODEL OF SPIRITUAL DEVELOPMENT THROUGH ENGINEERING EDUCATION	
5.	MOHD HAFIZ ARSHAD	ENERGY AWARENESS MONITORING SYSTEM	
6.	NORDIANA BINTI SHARIFFUDIN	VARIOUS APPLICATIONS OF INTELLIGENT WIRELESS GESTURE CONTROLLED SYSTEM FOR THE PHYSICALLY HANDICAP	
7.	ASSOC. PROF. DR. MAZLEE MOHD NOOR	DRTOOLS	
8.	ANWAR MOHAMMED ALI	IOT-ACT: AN IOT-BASED AIR CONDITIONING CONTROL FOR THERMAL COMFORT	
9.	AHMAD FARIZ BIN HASAN	LITAR LOGIKA: TRAINER KIT FOR ELECTRONIC STUDENT	
10.	YASMIN AHMAD	ENVIRONMENTAL SUSTAINABILITY MODEL THROUGH SOCIAL ENTREPRENEURSHIP APPROACH	
11.	PROFESSOR MADYA DR. HUZILI HUSSIN	MODUL 'COPING SKILLS' UNTUK MURID SEKOLAH RENDAH	
12.	MOHAMMAD REZAL HAMZAH	PEMBANGUNAN INSTRUMEN DAN MODUL KEMAHIRAN KEMAHIRAN KEIBUBAAPAN UNTUK MENDIDIK DAN MEMBANGUNKAN POTENSI GENERASI MILENIA	
13.	MOHAMMAD REZAL HAMZAH	INSTRUMEN LITERASI KESIHATAN HLS- MALAYSIA	
14.	LEE YENG SENG	DEVELOPMENT OF MICROWAVE TX LINE CALCULATOR USING ANDROID AND LABVIEW	Universiti Tun Hussein Onn Malaysia (UTHM)
15.	DR NORFAIZA BINTI FUAD	ELECTROENCEPHALOGRAPH (EEG) PATTERN OF LEARNING METHODOLOGY BETWEEN COGNITIVE AND PSYCHOMOTOR FOR NON-DYSLEXIA PERSON	
16.	ROSFUZH BINTI ROSLAN	QUIZSEEKER : A CUSTOMIZABLE 'QUIZ' GAME	
17.	SAHRIR ABD AZIZ	TRANSIT ORIENTED DEVELOPMENT VALUE RATING SYSTEM	
18.	PROF. DATO DR. MOHD IDRUS HJ. MOHD MASIRIN, DR. NOOR HAFIZA BINTI NORDIN	RCCI: INDEX FOR RAILWAY PASSENGER COMFORT	Universiti Pertahanan Nasional Malaysia (UPNM)
19.	SHAHRULFADLY BIN RUSTAM	MODUL INTENSIF KECERGASAN FIZIKAL	
20.	RUZY HARYATI BINTI HAMBALI	DEVELOPMENT OF ASSISTIVE DEVICE FOR TENODESIS REHABILITATION PEOPLE	Universiti Teknikal Malaysia Melaka (UTeM)

INVENTION & INNOVATION EXHIBITION CATEGORIES

Electrical & Electronic

NO	NAME OF MAIN INVENTOR	NAME OF INVENTION / PRODUCT	INSTITUTION
1.	MUHAMMAD MOKHZAINI BIN AZIZAN	HIGH EFFICIENT DC DC CONVERTER FOR NEXT GENERATION GREEN MONORAIL	Universiti Malaysia Perlis (UniMAP)
2.	MOHD ILMAN JAIS	A FUZZY-BASED ANGLE-OF-ARRIVAL ESTIMATION SYSTEM (AES) USING RADIATION PATTERN RECONFIGURABLE (RPR) ANTENNA.	
3.	AHMAD SHUKRI BIN FAZIL RAHMAN	"PIC BASED DATA LOGGER WITH GRAPHICAL USER INTERFACE TO ACCOMMODATE	
4.	NUR BAYA MOHD HASHIM	NEW COMPACT LOW PASS FILTER DESIGN USING PATCH RESONATORS FOR MULTI-WIRELESS COMMUNICATION SYSTEMS	
5.	NUR HIDAYAH BINTI RAMLI	WATER LEAKAGE MONITORING SYSTEM	
6.	HARYATI BINTI JAAFAR	OBJECT TRACKING ROBOT BASED ON IMAGE PROCESSING TECHNIQUE	
7.	TS. DR. ZULKIFLI BIN HUSIN	EMBEDDED PORTABLE DEVICE FOR IOT-BASED NON-DESTRUCTIVE OF FOOD RECOGNITION AND QUALITY ASSESSMENT.	
8.	NUR IRWANY BINTI AHMAD	REAL SCALE HOME AUTOMATION SYSTEM FOR DIFFERENT LOAD APPLICATION USING SMARTPHONE	
9.	AZREMI ABDULLAH AL-HADI	ANTPP-MCS: ANTENNA PERFORMANCE PREDICTOR FOR MOBILE COMMUNICATION SYSTEM	
10.	NOR HANISAH BAHARUDIN	GRID TIED SOLAR PV BASED POWER QUALITY ENHANCEMENT SOLUTION (SPV-PQES)	
11.	DR. MUHAMAD KHAIRUL BIN ALI HASSAN	IOT BASED FOR LIGHT PIPES MONITORING SYSTEM	
12.	MAZWIN BINTI MAZLAN	MODELLING AND ANALYSIS ROAD ENERGY HARVESTER USING PIEZOELECTRIC TRANSDUCER	
13.	NUR IRWANY BINTI AHMAD	DEVELOPMENT OF PORTABLE PHOTOVOLTAIC (PV) KIT FOR LOW LOAD APPLICATION	
14.	NUR IRWANY BINTI AHMAD	DEVELOPMENT OF WIRELESS POWER TRANSFER USING SWITCH MODE POWER SUPPLY (SMPS) CONCEPT	
15.	NORKHARZIANA MOHD NAYAN	FLOOR-TILES PIEZOELECTRIC FOR BALCONY LIGHTING SYSTEM	
16.	WOOI CHIN LEONG	DEVELOPMENT OF AC VOLTAGE SENSOR DEVICE	
17.	TS DR MOHAMMAD HARITH AMLUS	E-TRAFFIC DEVICES	
18.	BASEEMAH BT MAT JALALUDDIN	PREPAID ENERGY METER WITH ENERGY THEFT DETECTION	
19.	BASEEMAH BT MAT JALALUDDIN	RF BASED NIGHT VISION SPY ROBOT	
20.	MOHD RIZAL BIN MANAN	WIRELESS CONTROL ROBOTIC HAND	
21.	MOHD RIZAL BIN MANAN	SORTING ROBOT BASED ON WEIGHT IDENTIFICATION	
22.	TIANG TOW LEONG	FAST COMPUTATION ON THE PERFORMANCE OF PM BRUSHLESS MACHINE	

INVENTION & INNOVATION EXHIBITION CATEGORIES

Electrical & Electronic

23.	MOHAMAD NUR KHAIRUL HAFIZI ROHANI	SMART ONLINE PD MONITORING AND LOCATION SYSTEM FOR HIGH VOLTAGE DISTRIBUTION LINE		
24.	SOO KIN WAH, TAN JUN YING, LEE KUOK LEONG	VOISCR		
25.	SAIDATUL SHEMA BINTI SAAD	DEVELOPMENT OF INVERTER WITH FAULT TOLERANCE DETECTION IN SINGLE PHASE AC MOTOR	Universiti Malaysia Perlis (UniMAP)	
26.	SAIDATUL SHEMA BINTI SAAD	DEVELOPMENT OF WATER SPRAY COOLING SYSTEM FOR PHOTOVOLTAIC PANEL		
27.	MUHAMMAD SOLIHIN BIN ZULKEFLI	BACTERY		
28.	JIMIRAFIZI BIN JAMIL	SMART FOOD FRYER		
29.	AP DR. AZREMI ABDULLAH AL-HADI	ENVIRONMENTALLY ROBUST DUAL-POLARIZED ANTENNA IN MOBILE TERMINAL		
30.	AIMI ATHIRAH HAZWANI BINTI ZAIDI	SMART LIGHT CONTROL SYSTEM VIA SMARTPHONE		
31.	ROSANATRAH RAMLI	FLOOR CLEANING ROBOT USING BLUETOOTH, ANDROID OS AND 8051 MICROCONTROLLER		
32.	SYAHRUL AFFANDI BIN SAIDI	WALL CLIMBING ROBOT MODEL FOR INSPECTION PURPOSE		
33.	MUHAMMAD IZUAN FAHMI BIN ROMLI	GREEN ELECTRIC VEHICLE (EV) USING SUPERCAPACITOR AS A MAIN ENERGY SOURCE		
34.	MUHAMMAD ZAID BIN AIHSAN	PORTABLE SINGLE PHASE INVERTER		
35.	MUHAMMAD ZAID BIN AIHSAN	INVERTER TEACHING MODULE		
36.	MUHAMMAD ZAID BIN AIHSAN	PORTABLE SOLAR BUCK CONVERTER		
37.	NUR NAJAHATUL HUDA BINTI SARIS	COMPACT EUROPIUM-ALUMINIUM DOPED POLYMER OPTICAL WAVEGUIDE AMPLIFIER FOR IN-VEHICLE OPTICAL INTERCONNECT USING MOSQUITO METHOD		Mjiit, Universiti Teknologi Malaysia Kuala LUMPur

INVENTION & INNOVATION EXHIBITION CATEGORIES

ICT & Multimedia/Art, Design & Creativity

NO	NAME OF MAIN INVENTOR	NAME OF INVENTION / PRODUCT	INSTITUTION
1.	WAN NOR MUNIRAH BINTI ARIFFIN	ROUTE-SOLVER	Universiti Malaysia Perlis (UniMAP)
2.	NORIZAN BINTI MOHAMED NAWAWI	HIGH CAPACITY OF OCDMA-VLC SYSTEM USING CATENATED-OFDM MODULATION TECHNIQUE	
3.	MOHAMED NASRUN OSMAN	SMART DUSTBIN FOR EFFICIENT WASTE MANAGEMENT WITH SMART ALERT SYSTEM	
4.	AINI SYUHADA BINTI MD ZAIN	ULTRASONIC BLIND WALKING STICK	
5.	DR. AIMI SALIH AH ABDUL NASIR	AUTOMATED LICENSE PLATE RECOGNITION (ALPR) SYSTEM: A SECURITY SOLUTION FOR SMART CAMPUS	
6.	DR. AIMI SALIH AH ABDUL NASIR	APC-BUS: AUTOMATED PASSENGER COUNTING SYSTEM FOR BUS FLEET MANAGEMENT	
7.	AZNOR HANAH BINTI ABDUL HALIM	SOVEA FOR VANET MANAGEMENT SYSTEM	
8.	NAIMAH YAAKOB, MAHALASHMI A/P ARUNASALAM, MUHAMAD SHAFIQ BIN SOFIAN, IDZWAN BIN IDRUS, NUR IZZATILHUSNA BINTI IBRAHIM, NUR NADIA BINTI MUSLIM, NUR HANIZA BINTI MOHAMAD KAMAL	REAL TIME DROWSINESS DETECTION SYSTEM FOR VEHICLE	
9.	WAN NOR ASHIQIN WAN ALI	MONITORING SMART HOME/OFFICE AUTOMATION SYSTEM USING VOICE RECOGNITION	
10.	MOHD RASHIDI BIN CHE BESON	VLC-OCDMA BASED ON ADAPTIVE MULTICARRIER MODULATION SCHEME FOR UNDERWATER OPTICAL WIRELESS COMMUNICATION	
11.	TS. DR. ZULKIFLI BIN HUSIN	IMPLEMENTED OF IOT BASED AUTOMATED GUIDED ROBOT SYSTEM IN SMART AGRICULTURAL WAREHOUSE.	
12.	KU NURUL FAZIRA KU AZIR, NUR WAHEEDA BASHARUDDIN	AMBIENT CUES OF KITCHEN COUNTER IN GUIDING COOKING ACTIVITIES FOR ALZHEIMER'S PATIENT.	
13.	ANIS SYUHADA SHAHIFUL BAHRI, NOOR FAZREEN BAKAR	SPORTS EVENT MANAGEMENT	
14.	AMIRAH FARAH AFIQAH BINTI MOHAMMAD	INTEGRATED RESCUE BAG	
15.	MUHAMMAD EZHAR BIN AZMI	DESIGN AND DEVELOPMENT OF PEST REPELLENT DEVICE	
16.	NORSYAHADAH BINTI YEOP WASIR	DESIGN AND DEVELOPMENT OF A TOOL TO REDUCE THE RISK OF CARPAL TUNNEL SYNDROME IN WORKPLACE.	
17.	NORSYAHADAH BINTI YEOP WASIR	CARPAL TUNNEL SYNDROME TOOL	
18.	DR WAN AZANI WAN MUSTAFA	A SMART SYSTEM OF TEXT DETECTION ON ANCIENT DOCUMENT IMAGES	
19.	NG CHUN KHAI	THE DEVELOP OF NEW MOBILE SHOPPING APPLICATIONS	

INVENTION & INNOVATION EXHIBITION CATEGORIES

ICT & Multimedia/Art, Design & Creativity

20.	TENGGU KASTRIAFUDDIN TENGGU YAAKOB	NARATIF PENGKISAHAN SEJARAH KOTA MUZIUM KAYANG MENGGUNAKAN TEKNIK INTERAKTIF PEMETAAN DINDING (WALL PROJECTION MAPPING)	
21.	DR. MOHAMED ELSHAIKH ELOBAID SAID AHMED	RESEARCH MANAGEMENT SYSTEM (RMS)	
22.	AMEER FUHAILI MOHAMAD HASHIM	VISUALIZATION OF INTROVERTED STUDENTS PERSPECTIVE THROUGH INTERACTIVE ANIMATED DIGITAL COMIC	
23.	ROSANATRAH BT RAMLI	FOOD ORDERING RESTAURANT USING ANDROID OS	
24.	LEE YENG SENG	AUTOMATION OF OPENED ENDED COAXIAL PROBE MEASUREMENTS	
25.	DR LEE YENG SENG	CHIPLESS TEXTILE TAG FOR RFID APPLICATION	
26.	NOORMAIZATUL AKMAR ISHAK	AUGMENTED REALITY MOBILE INFORMATION SYSTEM (ARMIS) FOR PRODUCT IN COLLABORATION WITH QR CODE AND MOBILE APPLICATION	Universiti Malaysia Perlis (UniMAP)
27.	NURUL RAZLIANA BINTI ABDUL RAZAK	ROBUST SAC/SIC COMPOSITE SOLDER FOR HIGH POWER MODULE TELECOMMUNICATION APPLICATION	
28.	SYED ALWEE ALJUNID SYED JUNID	NOVEL TWO DIMENSIONAL ZCC/MD SPECTRAL/SPATIAL OPTICAL CDMA CODE FOR INTERNET OF THINGS (IOT) APPLICATIONS	
29.	IR. RIDZA AZRI RAMLEE	CLASSIFICATION OF CORNEAL ARCUS FOR DETECTING THE ABNORMAL LIPID OF THE EYE USING MACHINE LEARNING	Universiti Teknikal Malaysia Melaka (UTeM)
30.	MOHD NASRUN MOHD NAWI	PROPERTYINSIGHTS	Universiti Utara Malaysia (UUM)
31.	SUHANA BINTI ISMAIL	EFMS	POLITEKNIK MERSING
32.	SUHANA BINTI ISMAIL	THE CASTRO	
33.	DR SULIADI FIRDAUS SUFAHANI	MALAYSIAN SECONDARY SCHOOL MENU PLANNING PROGRAMME (WITH SUFAHANI-ISMAIL ALGORITHM)	Universiti Tun Hussein Onn Malaysia (UTHM)
34.	SULIADI FIRDAUS BIN SUFAHANI	MALAYSIAN SECONDARY SCHOOL MENU PLANNING PROGRAMME	
35.	YUHANIM HANI BINTI YAHAYA, MOHD NAZRI BIN ISMAIL	EEG-BASED CONTROLLED ROBOT USING FORWARD CHAINING ALGORITHM	Universiti Pertahanan Nasional Malaysia (UPNM)

INVENTION & INNOVATION EXHIBITION CATEGORIES

Material, Manufacturing, Mechanical & Civil

NO	NAME OF MAIN INVENTOR	NAME OF INVENTION / PRODUCT	INSTITUTION
1.	TS.DR.UMAR BIN HJ.KASSIM	RECYCLED CERAMIC PLASTIC PALLET (RCP)	Universiti Malaysia Perlis (UniMAP)
2.	AHMAD HUMAIZI BIN HILMI	EXPLOSIVE COMPACTION APPARATUS THAT CAN COMPACT MATERIAL BEYOND 100,000 TON	
3.	DEWI SURIYANI CHE HALIN	AG/TIO ₂ THIN FILM AS A SELF CLEANING SOLAR PANEL	
4.	DR SHAIFUL RIZAM BIN SHAMSUDIN/RAJASELAN WARDAN	O'PICO/POTENTIAL ZERO CHARGE CORROSION PROTECTION	
5.	FARAH FARHANA BINTI ZAINAL	HYBRID GEOPOLYMER COATING	
6.	DR. ZUL-ATFI ISMAIL	KNOWLEDGE MANAGEMENT BASED-BIM SYSTEM (KOMBI)	
7.	HEAH CHENG YONG	SECURIFIRE	
8.	LIEW YUN MING	THERMOPLUS+	
9.	MOHD SYEDI IMRAN MOHD DAWI	BAHULU FILLING MACHINE	
10.	RAGUNATHAN SANTIAGOO	XDM-NOVEL MEMBRANE FOR MOSQUITO LARVAE ERADICATION	
11.	MOHD NAZRI OMAR	COLD STIRRER SYSTEM	
12.	NORAINIZA SAUD	TRANSIENT LIQUID PHASE SOLDERING OF SN-BASED SOLDER FOR HIGH TEMPERATURE PACKAGING APPLICATIONS	
13.	NORSURIA MAHMED	SELF-CLEANING GEOPOLYMER PASTE	
14.	TS. KHAIRUNNISA BT MUHAMAD/ SITI NUR AISHAH BINTI MOHD NOOR/ TS. NORHAIZURA BINTI YAHYA/ NURUL HUDA BT HASHIM/ DANIAL ZIKRY BIN SHAHRAZI/ MUHAMMAD AFIQ FIRDAUS BIN ABD KARIM	PRODUCTION OF GREEN CONCRETE ROOF TILE BY USING RICE HUSK ASH (RHA) AS A CEMENT REPLACEMENT	
15.	NOORHIDAYAH BT ISHAK	DOUBLE IMPRINTED POLYMERIC MEMBRANE (DPIM)	
16.	IRFAN BIN ABD RAHIM	DESIGN AND DEVELOPMENT OF AUTOMATED ULTRA HIGH TEMPERATURE PRESSURE VESSEL MACHINE FOR DADIH AND MILK.	
17.	MOHD EFFENDI BIN MUHAMMAD SUANDI, IR. MOHD. NASIR MAT SAAD, IR. DR. SHAYFULL ZAMREE ABD. RAHIM, IR. DR. MOHD FATHULLAH BIN GHAZLI @ GHAZALI, DR. NORSHAH AFIZI SHUAIB, MUHAMAD FARIZUAN BIN ROSLI, IRFAN BIN ABD RAHIM, AMARUL TALIP AND MOHD KHAIRUL FADZLY BIN ABU BAKAR	A NEW INVENTION OF AUTOMATIC SOAP CUTTING MACHINE	
18.	NOR AIDA BY YUSOFF	CARBOXYMETHYL CELLULOSE	
19.	MISS SUHAIREZA BINTI MD. ESA	DESIGN AND DEVELOPMENT OF MECHANISM ATTACHED TO DRILL	

INVENTION & INNOVATION EXHIBITION CATEGORIES

Material, Manufacturing, Mechanical & Civil

20.	NUR HIDAYAH BINTI AHMAD ZAIID	AZ91 FOR ELECTRONIC DEVICE APPLICATION.	
21.	NUR HIDAYAH BINTI AHMAD ZAIID	FABRICATION OF AZ91 NANO-COMPOSITE FOR AIRCRAFT APPLICATION	
22.	NOR FAIZAH BAWADI	PEAT SOIL STABILIZER	
23.	SAFIZAN BINTI SHAARI	ORGANIC LED FOR FLEXIBLE DISPLAY APPLICATION	
24.	WAN MASTURA WAN IBRAHIM	GEOPOLYMER LIGHTWEIGHT BRICK	
25.	ROMISUHANI AHMAD	GEOPOLYMER CERAMIC FOR ELECTRONIC APPLICATION	
26.	AZWAN ISKANDAR AZMI	HOW CRITICAL IS IT?	
27.	PM DR SHAHRIMAN BIN ABU BAKAR	ALL TERRAIN STRETCHER BAG	
28.	SHAHRIMAN BIN ABU BAKAR	SERI PERLIS RETRO MOTORCYCLE	
29.	EMY AIZAT AZIMI	DOLOMITE/FLY ASH BRICKS (DASH BRICKS)	
30.	NOORHAFIZA BINTI MUHAMMAD	INVESTIGATION OF POTATO STARCH CONTAINING BENTONITE AND HYDROXYAPATITE HYBRID FILLER ON HUMAN UMBILICAL VEIN ENDOTHELIAL CELLS (HUVEC)	Universiti Malaysia Perlis (UniMAP)
31.	MUHAMMAD MUNSIF BIN AHMAD	COATED KENAF FIBRE AS GREEN SLOPE STABILIZATION METHOD	
32.	SAFIZAN BINTI SHAARI	ORGANIC LIGHT EMITTING DIODE FOR FLEXIBLE DISPLAY APPLICATION	
33.	LIYANA AHMAD SOFRI	GEOPOLYMERIZATION METHOD FOR SOIL STABILIZATION APPLICATION : ENVIRONMENTAL FRIENDLY ROAD BASE STABILIZER	
34.	NURUL AKMAM NAAMANDADIN	PROPOSING A DESIGN FOR IMPROVEMENT URBAN SOLID WASTE TRAP FOR PUBLIC DRAIN	
35.	MOHD FARIZUL JAAFAR	M-COMPOSITE PANEL : MANHOLE COVER FROM RECYCLED PET BOTTLES	Kolej Kemahiran Tinggi Mara Masjid Tanah
36.	MOHD AZLI BIN SALIM	DIY NEW FORMULATION CONDUCTIVE INK FOR BASIC APPLICATIONS	
37.	RUZY HARYATI BINTI HAMBALI	DEVELOPMENT OF ANTHROPOMETRIC ASSITIVE TOOLS FOR MANUAL ANTHROPOMETRY MEASUREMENTS	Universiti Teknikal Malaysia Melaka (UTeM)
38.	FAIEZAH HASHIM	PURPLE POTATO STARCH/EGG SHELL POWDER BIO-PLASTICS	Universiti Teknologi MARA Perlis (UiTM)
39.	DOH SHU ING	CEMENT-LESS BRICK	Universiti Malaysia Pahang (UMP)
40.	PROF. DATO DR. MOHD IDRUS HJ MOHD MASIRIN	REPOMIX: A DIY COLD ASPHALTIC MIX MATERIAL FOR MINOR ROAD MAINTENANCE	Universiti Tun Hussein Onn Malaysia (UTHM)

INVENTION & INNOVATION EXHIBITION CATEGORIES

Medical, Pharmaceutical & Health

NO	NAME OF MAIN INVENTOR	NAME OF INVENTION / PRODUCT	INSTITUTION
1.	HARYATI BINTI JAAFAR	ECG SIGNALS FOR HEARTBEAT BASED BIOMETRIC SYSTEM	Universiti Malaysia Perlis (UniMAP)
2.	KHAIRUL ANWAR BIN ABDUL HALIM	DEVELOPMENT OF BIOCOMPOSITE UTILISING FISH SCALE AS POTENTIAL MATERIAL FOR WOUND HEALING APPLICATIONS	
3.	DR. MUZAMMIL BIN JUSOH	UWB BASED LOW COST AND NON-INVASIVE PRACTICAL BREAST CANCER EARLY DETECTION	
4.	SALINA BINTI MOHD ASI	CRANIOFACIAL ANTHROPOMETRY EXPERT SYSTEM	
5.	SUHAIMI BIN ILLIAS	PORTABLE MUCUS SUCKING KIT II (POMUS KIT II)	
6.	NOR AZIZAH BINTI PARMIN	IN-HOUSE FABRICATED NON-INVASIVE CERVICAL CANCER DETECTION NANO LAB- ON-CHIP	
7.	NOR AZIZAH PARMIN	MICRORNA (MIRNA) BIOSENSOR DIAGNOSTIC SYSTEM FOR EARLY DETECTION OVARIAN CANCER AND CORRELATION WITH CERVICAL CANCER	
8.	SUBASH C.B. GOPINATH	ZEOBIOLITE GENOSENSOR: NANOPRECURSOR FOR A NEW ERA LUNG CANCER SCREENING	
9.	SUBASH C.B. GOPINATH	NANO-URCHIN IMPREGNATED BIOSENSOR: DIAGNOSING HUMAN BLOOD DISEASE BIOMARKERS	
10.	MARNI AZIRA BINTI MARKOM	MED MICRONEEDLE	
11.	ADILAH ANUAR	OPTIMIZATION STUDIES BY ULTRASOUND ASSISTED SOLVENT EXTRACTION AND SCREENING OF PHENOLIC COMPOUNDS IN PAPAYA SEEDS	
12.	MOHD AMINUDIN BIN JAMLOS	UWB SENSOR FOR LUNG CANCER DETECTION USING MICROWAVE IMAGING SYSTEM	
13.	NORHIDAYAH ABD AZIZ	PREBIOTIC GUM ARABIC	
14.	AMIRA FARZANA BINTI SAMAT	ANTIBACTERIAL ACTIVITY FROM FRUITS AND LEAVES OF HIBISCUS SABDARIFFA FOR ACNE VULGARIS	
15.	DR. AIMI SALIHAH ABDUL NASIR	ALCOLYZER: MOBILE PHONE BASED INTELLIGENT BREATHALYZER FOR MEASUREMENT OF BLOOD ALCOHOL CONTENT	
16.	MOHD SHARIZAN MD SARIP	R-PROTEIN: PROTEIN FROM WASTE PADDY	
17.	NORHIDAYAH ABD AZIZ	PREBIOTIC GUM ARABIC	
18.	HANIZA YAZID	THE DETECTION OF PROLIFERATIVE DIABETIC RETINOPATHY (PDR)	
19.	MUHAMMAD NUR AFNAN BIN UDA	E.COLI, SALMONELLA AND LISTERIA (ESL) DIAGNOSTIC KIT	
20.	WAN AZANI WAN MUSTAFA	BLOOD VESSEL DETECTION MONITORING SYSTEM FOR DIABETIC RETINOPATHY DIAGNOSIS	
21.	ZULAIKA ABDULLAH	ATMOSPHERIC PLASMA JET	
22.	MIDHAT NABIL BIN AHMAD SALIMI	MAGNETITE "HYDROXYAPATITE NANOPARTICLES FUNCTIONALIZED WITH CATECHIN FOR CANCER TREATMENT	
23.	ASSOC PROF DR SHAHRIMAN ABU BAKAR	ALL TERRAIN STRETCHER BAG	
24.	LIM CHEE CHIN	3D HUMAN BODY POSTURE ASSESSMENT SYSTEM	

INVENTION & INNOVATION EXHIBITION CATEGORIES

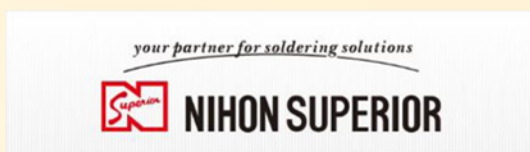
Medical, Pharmaceutical & Health

25.	SITI KHODIJAH BINTI MAZALAN	SMART PHARMACEUTICAL TEMPERATURE MONITORING SYSTEM (VDSM 1.2)	
26.	DR. SUZI SALWAH BINTI JIKAN/ MRS. NAZIA BANO	POLYLACTIC ACID/ HYDROXYAPATITE NANOBIOCOMPOSITE	Universiti Tun Hussein Onn Malaysia (UTHM)
27.	MOHD AZRUL HISHAM BIN MOHD ADIB	NOVEL CARDIOVASS DEVICE FOR CARDIOLOGY TRAINEE	Universiti Malaysia Pahang (UMP)
28.	RUZY HARYATI BINTI HAMBALI	ADVANCED METHOD OF CUSTOMISED INSOLE OR FOOTWEAR FOR MANUFACTURING INDUSTRIAL WORKERS	Universiti Teknikal Malaysia Melaka (UTeM)
29.	RUZY HARYATI BINTI HAMBALI	CUSTOMISED LUMBAR SUPPORT FOR MALAYSIAN MANUFACTURING INDUSTRIAL WORKERS	

AWARDS

- 1 Certificate Of Participation
- 2 Award Certificates for Gold, Silver & Bronze
- 3 Cash Prize For Best Of Each Category
- 4 Grand prize for Best of The Best (Trophy and holiday package)

UniMAP - INDUSTRY STRATEGIC PARTNERSHIP AWARD 2018



**PROGRAMME SCHEDULE FOR EREKA 2018 EXHIBITION
& CLOSING CEREMONY EREKA 2018 -
INDUSTRY NETWORKING AND BUSINESS PITCHING
20TH DECEMBER 2018 (THURSDAY)
DEWAN ILMU, UniMAP ALAM CAMPUS, PAUH PUTRA, PERLIS**

PROGRAMME SCHEDULE:

EXHIBITION SESSION/ JUDGING AND BUSINESS PITCHING

- | | | | |
|--------|-------------------|---|-------------------------------------|
| 8.15 | a.m. | - | EREKA 2018 participant registration |
| 9.00 | a.m. | - | Jury briefing |
| 9.30 | a.m. – 12.00 p.m. | - | Judging Session |
| *11.30 | a.m. – 2.30 p.m. | - | Business Pitching Session |

EREKA 2018 CLOSING CEREMONY

- | | | | |
|------|------|---|--|
| 2.30 | p.m. | - | Arrival of participants (or innovators). |
| 2.40 | p.m. | - | Arrival of Head of Departments & Guests |
| 2.50 | p.m. | - | Arrival of UniMAP Vice Chancellor |
| 3.00 | p.m. | - | Arrival of UniMAP Board of Directors |
| | | - | Official UniMAP song - WAWASANKU |
| | | - | Prayer Recital |
| | | - | Speech from UniMAP Vice Chancellor |
| | | - | UniMAP – Industry LOI Signing |
| | | - | Award Presentation for Industry Strategic Partners |
| | | - | Award Presentation for EREKA 2018 |
| | | - | UniMAP Official Song - Semangat UniMAP |
| | | - | Visit to EREKA 2018 Exhibition Booths |
| 5.30 | p.m. | - | End of Ceremony |

Attire: UniMAP Corporate Attire

CONTACT DETAIL

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