

Ref	Category	Organisation	Inventors	Invention	Award	
COR004	ELECTRICITY / ELECTRONICS	PK ELECTRONIC INDUSTRIES SDN BHD	LOH PIT-KIN	CASH AND CASHLESS SYSTEM	GOLD	CORPORATE
COR007	HOUSEHOLD ITEMS	DYKAS INDUSTRIES SDN. BHD.	TEH KOK	FLOAT VALVE	GOLD	CORPORATE
IDV005	PERSONAL-CARE PRODUCTS	BADIMO ENTERPRISE CO.	SHIH KUEI YU	PERSONAL HYGIENIC BIDET	GOLD	INDIVIDUAL
IDV014	PRINTING & PACKAGING	BAGAN PRINTERS SDN BHD	PHEE BOON EOW, PHEE BOON CHEE	SELF VENTING MICROWAVE POUCH	GOLD	INDIVIDUAL
IDV003	AUTOMOTIVE	HB IDEAS SERVICES	EN KIM SENG	CAR LEATHER SEAT COOLING SYSTEM	GOLD	INDIVIDUAL
IDV068	AGRICULTURE	INSTITUTE FOR SUPPORT OF IRANIAN RESEARCHERS, INVENTORS, & INNOVATORS	JAFARIZADEH MALMIRI HODA, ANARJAN KOOCHEH BAGH NAVIDEH, HADI MIAVAGH PEJMAN, SAEDY SAEED, AJAMEIN FAHADAN HOSSIEEN	COATING OF BANANA USING EDIBLE COATING. BY USING COATING OF BANANA WITH EDIBLE MATERIALSWE CAN INCREASE THE SHELF LIFE OF BANANA , APPROXIMATELY 100%	GOLD	INDIVIDUAL
						INDIVIDUAL
IDV015	MANUFACTURING PROCESS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	CHOI JAE-HO	A MOVABLE WORKTABLE	GOLD	INDIVIDUAL
IDV022	PERSONAL-CARE PRODUCTS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	LIM JI-SUN	THE CRUTCH HAVING CLIMBING IRONS	GOLD	INDIVIDUAL
IDV034	HOUSEHOLD ITEMS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	CHOI YOUNG-CHUL	SHOWER HEAD	GOLD	INDIVIDUAL
IDV004	AUTOMOTIVE	N/A	CHONG CHIN WAH NYEE	IMPACT ENERGY DISSIPATION DEVICE	GOLD	INDIVIDUAL
IDV032	AGRICULTURE	N/A	OTHMAN BIN MD. HASHIM	COCONUT DEHUSKING MACHINE	GOLD	INDIVIDUAL
IDV079	BUILDING AND CONSTRUCTION	N/A	TAHMASB DAVOODI	ENERGY ADMINISTRATIVE BOARD OF BUILDING	GOLD	INDIVIDUAL
IDV037	MANUFACTURING PROCESS	SRI LANKA INVENTORS COMMISSION	DR.M.A.R.V.FERNANDO	A NOVEL PROCESS AND A PLANT FOR CHEMICAL TREATEMENT OF TIMBER AND SIMILAR ITEMS	GOLD	INDIVIDUAL
IDV084	AUTOMOTIVE	UNIVERSAL NANO TECHNOLOGY	KALVIN YIP FOOK FAH	UNIMPV - i MULTI POINT VALVE INJECTOR	GOLD	INDIVIDUAL
IDV039	SPORTS & GAMES	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	KEE KOK ENG, M SYAIFUDDIN B MOHD, AHMAD ASHRAF B ABU BAKAR, MUNIRA NUR FARIZAN BT ISHAK, MOHD AZUWAN B MAOINSER, MOHD SAIFUL ASLIM B ALIAS, HAFIZ B HASSAN, AIDI SARABIA B ABDUL RASHID, YAP CHUAN CHEW, WOO KEAN HING, MOHD NASRAN B ZAINUDDIN, MUHAMMAD AQMAL B RATASHA, ABDEL AZIZ HUSSEIN, MOHAMED GABERALLA MOHAMED	REVO : AUTOMATIC BADMINTON SHUTTLECOCK LAUNCHER	GOLD	INDIVIDUAL

Ref	Category	Organisation	Inventors	Invention	Award	
IDV040	APPAREL	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	DR. BALBIR SINGH MAHINDER SINGH, DR. CHONG FAI KAIT, DR. AFZA BT SHAFIE, DR. CECILIA DEVI WILFRED, LO HAI HIUNG, ROSLI B MOHD, TAN SOO KIAN, TIMOTHY GANESAN, AFSHIN PAKRAFTAR, SAREH BAYET	COOLING HELMET	GOLD	INDIVIDUAL
IDV041	INDUSTRIAL EQUIPMENT	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	PROF. DR. V. R. RADHAKRISHNAN, ASSOC PROF DR ISA M TAN, MUHAMMAD AIZAT B ABU BAKAR, DR M RAMASAMY, CHAI SIEW WAH	ENHANCED OIL RECOVERY (EOR) USING ULTRASONICS	GOLD	INDIVIDUAL
IDV047	TRANSPORTATION	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	KOH MOI ING, ZARIF B ALWI, MOHD AZMUDDIN B YUSOFF, NOOR AZLINA BT AZHARI, AMIR ZHAFRI B ABDULLAH	SMART MESSAGING PARKING SYSTEM	GOLD	INDIVIDUAL
IDV011	MULTIMEDIA	UNIVERSITI TENAGA NASIONAL (UTN)	AZMI BIN MOHD YUSOF, ROSE ANN BT ABD RAHIM	INTERACTIVE E-JAWI	GOLD	INDIVIDUAL
IUM006	BIOTECHNOLOGY, HEALTH & FITNESS	INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA (IUM)	DR. IIS SOPYAN, DR. MAIZIRWAN MEL, NURUL HUDA HUSAINI	CALCIUM PHOSPHATE CERAMIC MICROCARRIERS FOR ANIMAL CELL CULTURE	GOLD	UNIVERSITY
KKM025	AUTOMOTIVE	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	ZALIMAN SAULI, HASNIZAH ARIS, RAZAIDI HUSSIN, MOHD HAFIZ ISMAIL, RIZALAFANDE CHE ISMAIL	DESIGN AND FABRICATION OF MEMS HEATUATOR FOR AUTOMOTIVE DEVICE APPLICATIONS	GOLD	UNIVERSITY
KKT001	INDUSTRIAL EQUIPMENT	KOLEJ UNIVERSITI KEJURUTERAAN & TEKNOLOGI MALAYSIA (KUKTEM)	Dr WAN AZHAR WAN YUSOFF, FADHLUR RAHMAN MOHD ROMLAY	PC BASED CNC CONTROLLER	GOLD	UNIVERSITY
KKT003	PERSONAL-CARE PRODUCTS	KOLEJ UNIVERSITI KEJURUTERAAN & TEKNOLOGI MALAYSIA (KUKTEM)	PROF. DR. MASHITAH MOHD YUSOFF, HALIJAH IBRAHIM, CHIA KEH LEONG, WAN NAZAIMOON WAN MOHAMUD, SIK RUOH YEAN	NATURAL MEDICINAL MASSAGE OIL OF HALIA BARA	GOLD	UNIVERSITY
KTM003	AGRICULTURE	KOLEJ UNIVERSITI SAINS DAN TEKNOLOGI MALAYSIA (KUSTEM)	ASSOCIATE PROF. DR. MOHD. EFFENDY BIN ABD. WAHID, PROF. DR. MOHD. ZAMRI BIN SAAD, OOI KENG WOOL	HS DUST LYOPHILIZED VACCINE	GOLD	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
R&I053	ENVIRONMENTAL & RENEWABLE ENERGY	CNGDI ENGINE AND TRANSMISSION	PROF. IR. DR. BARKAWI SAHARI, ASSOC. PROF. DR. FAKHRU'L RAZI AHMADUN, PROF. DR. YUSOFF ALI, ASSOC. PROF. DR. SHAHRIR ABDULLAH, ASSOC. PROF. DR. ISHAK ARIS, PROF. IR. DR. MASJUKI HJ HASSAN, MUHD. ADLAN ABDULLAH, DR. V.CHELLIAH, MOHD. FAUZY AHMAD, ASSOC. PROF. DR. NORMAN MARIUN, DR. CHUAH TEONG GUAN, PROF. DR. ZAHARI TAHA, DR. ABD RASHID ABD AZIZ, PROF. MD NOR MUSA, DR. MOHAMED IBRAHIM ABDUL MUTALIB, PROF. DR. KU HALIM KU HAMID	COMPRESSED NATURAL GAS DIRECT INJECTION VEHICLE	GOLD	RESEARCH INSTITUTE
R&I004	PERSONAL-CARE PRODUCTS	FOREST RESEARCH INSTITUTE MALAYSIA (FRIM)	VIMALA SUBRAMANIAM, MOHD ILHAM ADENAN, ABDULL RASHIH AHMAD, ROHANA SAHDAN, JULIZA MOHAMED, STUART SOO, LOH KAI KWONG	NATURAL ANTIOXIDANT SKIN WHITENER: STYN	GOLD	RESEARCH INSTITUTE
R&I024	MATERIALS	FOREST RESEARCH INSTITUTE MALAYSIA (FRIM)	VIMALA SUBRAMANIAM, MOHD ILHAM ADENAN, ABDULL RASHIH AHMAD, ROHANA SAHDAN, JULIZA MOHAMED, STUART SOO, LOH KAI KWONG	NATURAL ANTIOXIDANT/SKIN WHITENING STANDARDISED EXTRACTS: NEXES, GUAVYN, OSTEEN	GOLD	RESEARCH INSTITUTE
R&I026	INDUSTRIAL DESIGN	FOREST RESEARCH INSTITUTE MALAYSIA (FRIM)	MOHD ILHAM ADENAN, MOHD RADZI AHMAD, MOHD HAFIDZ HADI, SUFFIAN MISRAN, JALALI SALLEH, NORDIN PUTEH, SAIMIN BASIR, ISHAMUDDIN MAZLAN, NORFADHILAH HAMZAH	PASAK-064: A PARTICLE BOARD FROM TONGKAT ALI INDUSTRIAL WASTE	GOLD	RESEARCH INSTITUTE
R&I028	MANUFACTURING PROCESS	FOREST RESEARCH INSTITUTE MALAYSIA (FRIM)	CHOO KHENG TEN, DR. TAN YU ENG, PROFESSOR DR. SAHRIM HJ. AHMAD, ASSOCIATE PROFESSOR DR. SARANI ZAKARIA, SIK HUEI SHING, RAMZUL IKLAS B. AB LAH	HTD SYSTEM TO PRODUCE ECOFRIENDLY RUBBERWOOD WITH LOW PRESERV FOR EXPT FURNITURE	GOLD	RESEARCH INSTITUTE
R&I057	TRANSPORTATION	INSTITUT KEMAHIRAN MARA JOHOR BAHRU	MANAP BIN AB. RAZAK, SALAHUDDIN BIN ISMAIL, ABDUL ATHAR BIN IBRAHIM	GM CYCLING DRIVE	GOLD	RESEARCH INSTITUTE
R&I037	BIOTECHNOLOGY, HEALTH & FITNESS	LEMBAGA GETAH MALAYSIA (LGM)	SITI ARIJA BT. MAD ARIF, YEANG HOONG YEET, SUNDERASAN ELUMALAI	IMMUNOLOGICS ASSOCIATED WITH LATEX ALLERGY	GOLD	RESEARCH INSTITUTE
R&I039	AGRICULTURE	LEMBAGA GETAH MALAYSIA (LGM)	DR. YUSOF AZIZ, DR. MOHD. AKBAR MD. SAID, NOR MAYATI CHE HUSIN, SITI SALINA SARKAWI	MORTEX: NEW GENERATION OF LATEX STIMULANT FOR YOUNG HEVEA TREES.	GOLD	RESEARCH INSTITUTE
R&I052	MULTIMEDIA	LEMBAGA GETAH MALAYSIA (LGM)	NORHAYATI MORIS, FARIDAH HANIM, ROSLAN OTHMAN	ATLAS FOR RAPID IDENTIFICATION OF RUBBERS	GOLD	RESEARCH INSTITUTE

Ref	Category	Organisation	Inventors	Invention	Award	
R&I032	BIOTECHNOLOGY, HEALTH & FITNESS	MALAYSIAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (MARDI)	DR. TAN CHON SENG, DR. KAMARIAH LONG, AZLINA MOHD DANIAL	MAKE IT HALAL: BLOOD TRANSGLUTAMINASE REPLACEMENT BY RECOMBINANT TECHNOLOGY	GOLD	RESEARCH INSTITUTE
R&I036	MANUFACTURING PROCESS	MALAYSIAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (MARDI)	DR. NORAINI MOHD KHALID, ZAINON ISMAIL	FROZEN DURIAN FOR WORLD EXPORT	GOLD	RESEARCH INSTITUTE
R&I040	AGRICULTURE	MALAYSIAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (MARDI)	RAZALI JALALUDDIN, MOHD ZAINAL ISMAIL	SELF-SERVE GRILLING MACHINE FOR FOOD SERVICE OUTLETS	GOLD	RESEARCH INSTITUTE
R&I051	AGRICULTURE	MALAYSIAN CENTRE FOR REMOTE SENSING (MACRES)	IBRAHIM SELAMAT, HALIM AZIZ, MIOR MOHD HADAFI AHMAD ZAHAWIR	STRESS MAPPING IN OIL PALM PLANTATION USING REMOTE SENSING	GOLD	RESEARCH INSTITUTE
R&I014	BIOTECHNOLOGY, HEALTH & FITNESS	MALAYSIAN PALM OIL BOARD (MPOB)	KALANITHI NESARETNAM, KANGA RANI SELVADURAY, GHAZALI ABDUL RAZAK, LIM WEN HUEI	TRANSDERMAL DELIVERY OF TOCOTRIENOLS TO THE BREAST	GOLD	RESEARCH INSTITUTE
R&I020	INDUSTRIAL EQUIPMENT	MALAYSIAN PALM OIL BOARD (MPOB)	DR. AHMAD TARMIZI HASHIM, ZAITON BINTI RASUL	MPOB FAST TRANSFER TECHNIQUE (MOFATT) IN LIQUID CULTURE SYSTEM	GOLD	RESEARCH INSTITUTE
R&I022	BIOTECHNOLOGY, HEALTH & FITNESS	MALAYSIAN PALM OIL BOARD (MPOB)	RAJINDER SINGH A/L HARMINDER SINGH, RAHIMAH ABDUL RAHMAN, CHEAH SUAN CHOO	DNA MARKERS TO PREDICT SKIN COLOUR OF OIL PALM FRUIT	GOLD	RESEARCH INSTITUTE
R&I027	OFFICE PRODUCTS	MIMOS BERHAD	AZRIL AZAM BIN ABDUL RAHIM	FIRST (FORENSIC INVESTIGATION AND RECOVERY SYSTEMS)	GOLD	RESEARCH INSTITUTE
R&I030	OFFICE PRODUCTS	MIMOS BERHAD	NG KANG SIONG, AZHAR ABU TALIB, SEA CHONG SEAK	CERTIFICATION AUTHORITY ENGINE FOR MYKAD	GOLD	RESEARCH INSTITUTE
R&I018	MULTIMEDIA	SIRIM BERHAD	DR WAN ABDUL RAHMAN JAUHARI BIN WAN HARUN, MOHD FADLY RAZIKIN, NOOR MAFUZA MAHMOR, SAFURA ADEELA SUKIMAN	SURGICAL PLANNING AND ANALYSIS SYSTEM	GOLD	RESEARCH INSTITUTE
R&I019	AUTOMOTIVE	SIRIM BERHAD	MOHMAD SOIB BIN SELAMAT, TALIB BIN RIA JAAFAR, MOHD. ASRI BIN SELAMAT, MAZLI BIN MUSTAPHA	NON-ASBESTOS BRAKE FRICTION MATERIALS	GOLD	RESEARCH INSTITUTE
R&I025	MATERIALS	SIRIM BERHAD	WAN SITI NOOR BINTI WAN ABDUL HALIM, IR MOHAMAD FADZIL ADNAN @ NAN	POLYMER ELECTROLYTE MEMBRANE FOR ENVIRONMENTALLY FRIENDLY ELECTROCHEMICAL CELLS	GOLD	RESEARCH INSTITUTE
R&I047	TELECOMMUNICATIONS	TELEKOM RESEARCH & DEVELOPMENT SDN BHD	NAZARUDDIN BIN OMAR	KENALMUKA - FACE DETECTION AND RECOGNITION SYSTEM	GOLD	RESEARCH INSTITUTE

Ref	Category	Organisation	Inventors	Invention	Award	
R&I055	MULTIMEDIA	TELEKOM RESEARCH & DEVELOPMENT SDN BHD	AHMAD TAJUDDIN SAMSUDIN, ZAIDI MUKHTAR, AHMAD ZAIDEE ABU, SHAHROL NIZAM MD ISA, FAZDLIANA SAMAT, SITI SALWA SAID	XTREAMX P2P MEDIA STREAMING	GOLD	RESEARCH INSTITUTE
THO007	AUTOMOTIVE	KOLEJ UNIVERSITI TEKNOLOGI TUN HUSSEIN ONN (KUITTHO)	ABDUL MUTALIB BIN LEMAN, SULAIMAN BIN HASAN, NOOR HAKIM BIN RAFAI	THE DESIGN OF FRONT BRAKE PAD ALERT SYSTEM FOR NATIONAL CAR	GOLD	UNIVERSITY
UiTM002	APPAREL	UNIVERSITI TEKNOLOGI MARA (UiTM)	PROF. DR. ZAINAB ABU BAKAR, PROF MADYA NURSURIATI JAMIL	SHAPE BASED IMAGE RETRIEVAL OF TERENGGANU SONGKET MOTIFS	GOLD	UNIVERSITY
UiTM005	OFFICE PRODUCTS	UNIVERSITI TEKNOLOGI MARA (UiTM)	PROF. MADYA HASNORA JAFRI, PROF. MADYA DR. SH. AISHAH SYED A. KADIR, WAN ADILAH WAN ADNAN, JAMALIAH TASLIM, MASLINA MOHD. NASIR	CHEMICAL INFORMATION MANAGEMENT SYSTEM FOR SAFE HANDLING AND STORAGE OF CHEMICAL	GOLD	UNIVERSITY
UiTM008	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITI TEKNOLOGI MARA (UiTM)	SITI NORAINI BINTI SULAIMAN, ZAKARIA BIN HUSSAIN, DR NORASHIDI BIN MAT ISA, PROF MADYA DR MOHD YUSOFF BIN MASHOR	INTELLIGENT CLASSIFICATION SYSTEM FOR MICROCALCIFICATION OF BREAST CANCER	GOLD	UNIVERSITY
UiTM015	MULTIMEDIA	UNIVERSITI TEKNOLOGI MARA (UiTM)	ASSOCIATE PROFESSOR DR AYUB MD. SOM	SPLASI-AN INTELLIGENT ADVISORY SYSTEM FOR PROCESS SELECTION IN INDUSTRIAL WWTP	GOLD	UNIVERSITY
UiTM030	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI TEKNOLOGI MARA (UiTM)	JUNAIDAH ARIFFIN, SUHAIMI ABDUL TALIB, ZAIDAH IBRAHIM	SEDPRED	GOLD	UNIVERSITY
UKL003	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI KUALA LUMPUR (UKL)	NORAZWANI MUHAMMAD ZAIN, MUZAFAR ZULKIFLI	CLAMICOAT	GOLD	UNIVERSITY
UKM004	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	PROF DATO' DR MOHAMAD ABDUL RAZAK, DR ISMAIL MOHD SAIBOON, AZIZI MUSTAPA, BALA KRISHNAN A/L MUNIANDY	HOSPITAL (HUKM) INTEGRATED RESUSCITATION PENDANT SYSTEM	GOLD	UNIVERSITY
UKM005	EDUCATIONAL ITEMS	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	MASNIZAH MOHD, JUHANA SALIM	DIGITAL LIBRARY DYNAMIC GATEWAY	GOLD	UNIVERSITY
UKM006	AUTOMOTIVE	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	DR. SHAHRUM ABDULLAH, MOHD ZAKI NUAWI	DURABILITY FATIGUE ANALYSIS SOFTWARE (DFAS)	GOLD	UNIVERSITY
UKM008	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	PROF. IR. DR. WAN RAMLI WAN DAUD, PROF. DR. KAMARUZZAMAN SOPIAN, PROF. DR. JAAFAR SAHARI, PROF. DR. ABU BAKAR MOHAMAD, PROF. DR. ABD. AMIR H. KADHUM, PROF. MADYA DR. CHE HASSAN CHE HARON, MASLI IRWAN ROSLI, MOHD. SHAHBUDIN MASDAR, NIK SUHAIMI MAT HASSAN, T. HUSAINI, RAMLI SITANGGANG, EDY HERIANTO MAJLAN	PORTABLE FUEL CELL BACK-UP POWER GENERATOR	GOLD	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
UKM018	TELECOMMUNICATIONS	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	ZAINOL ABIDIN ABDUL RASHID, MOHAMAD TARIQUL ISLAM, NORBAHIAH MISRAN, ALINA MARIE HASBI	3G SMART ANTENNA TESTBED	GOLD	UNIVERSITY
UKM021	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	PROF. DR. AZIMAHTOL HAWARIAH LOPE PIHIE	LADYCARE: A PHYTOTHERAPEUTIC PRODUCT FOR FEMALE REPRODUCTION	GOLD	UNIVERSITY
UM002	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY OF MALAYA (UM)	ASSOCIATE PROFESSOR DR. NGEOW WEI CHEONG, DR. CHAI WEN LIN	DISPOSABLE CARRIER FOR RETROGRADE FILLINGS	GOLD	UNIVERSITY
UM006	MANUFACTURING PROCESS	UNIVERSITY OF MALAYA (UM)	ASSOC. PROF. DR. WAN ASHRI WAN DAUD, PROF. DR. MOHAMED KHEIREDDINE AROUA, MOHD AZMIER BIN AHMAD, DONNI ADINATA	TRANSFORMING PALM SHELL WASTE TO HIGH QUALITY AND VALUE MOLECULAR SIEVES FOR GAS SPEARATION	GOLD	UNIVERSITY
UM008	TRANSPORTATION	UNIVERSITY OF MALAYA (UM)	PROFESSOR DR. MAHMOUD MOGHAVVEMI	VEHICLE NIGHT TIME ALERT SYSTEM	GOLD	UNIVERSITY
UM010	MATERIALS	UNIVERSITY OF MALAYA (UM)	PROF DR GAN SENG NEON	CONVERTING PALM OIL INTO ADHESIVES	GOLD	UNIVERSITY
UM011	EDUCATIONAL ITEMS	UNIVERSITY OF MALAYA (UM)	ASSOC. PROF. SALIMAH MOKHTAR, ASSOC. PROF. DR. OW SIEW HOCK, ASSOC. PROF. DR. ROZIATI ZAINUDDIN, LIM PEK SAN, LU PEIK LUAN, CHEANG CHEE HOONG, TAN MAY LAN, TAN TENG YAM, SOO HSAIO PEI, NG SWEE KENG, LEE PEY FEN, TEE SAY HONG, LOW WEI YEE, NG SZE SIANG, LEONG WEI SIAN	E-SIGN DICTIONARY - AN ELECTRONIC MALAYSIAN SIGN LANGUAGE DICTIONARY	GOLD	UNIVERSITY
UM023	TELECOMMUNICATIONS	UNIVERSITY OF MALAYA (UM)	DR. ROSLI BIN SALLEH, ABDUL MUEED, ZAIDI RAZAK, NORZAILY MOHAMED NOOR	IMPLEMENTATION METHODS AND ITS EXPERIMENTAL PERFORMANCE OF LOCATION SERVICE IN GSM LEGACY HANDSETS	GOLD	UNIVERSITY
UPM002	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY PUTRA MALAYSIA (UPM)	MD ZUKI ABU BAKAR@ZAKARIA, NORIMAH YUSOF, NOORDIN MUHAMMED MUSTAPHA	BIOMATERIAL FOR REPAIR OF FULL THICKNESS ABDOMINAL WALL DEFECT	GOLD	UNIVERSITY
UPM006	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY PUTRA MALAYSIA (UPM)	WEN SIANG TAN, KHATIJAH YUSOFF, SWEE TIN ONG, JANNA ONG ABDULLAH, CHIEW LING KHO	NIPAHSCANTM: A RAPID SCREENING TEST FOR THE DETECTION OF NIPAH VIRUS INFECTION	GOLD	UNIVERSITY
UPM009	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY PUTRA MALAYSIA (UPM)	PROF DR. A. MANAF ALI, PROF. DR. AIINI IDRIS, PROF. DATIN DR. KHATIJAH YUSOFF, ASSOC PROF. DR. A. RAHMAN OMAR, ASOC PROF. DR. KHIR BEJO, PROF. DR. JEFFRI MALIN ABDULLAH, AIED MOHAMMED	LOCAL ISOLATES OF NEWCASTLE DISEASE VIRUS AS ANTILEUKEMIC VACCINE	GOLD	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
UPM016	AGRICULTURE	UNIVERSITY PUTRA MALAYSIA (UPM)	PROF. DR. AINI IDERIS, ASSOC. PROF. DR. ABDUL RAHMAN OMAR, PROF. DATIN DR. KHATIJAH YUSOFF, ASSOC. PROF. DR. MOHD HAIR BEJO, TAN SHEAU WEI	NDREAL CHECK, A RAPID KIT TO DETECT NEWCASTLE DISEASE VIRUS PATHOTYPES	GOLD	UNIVERSITY
UPM029	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY PUTRA MALAYSIA (UPM)	TEY BENG TI, HO CHIN WOI, TAN WEN SIANG, LING TAU CHUAN, SURYANI KAMARUDIN	AN EFFICIENT MECHANICAL CELL DISRUPTOR FOR THE RELEASE OF HBCAG FROM E. COLI	GOLD	UNIVERSITY
UPM030	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY PUTRA MALAYSIA (UPM)	NAZAMID BIN SAARI, NAZIMAH SHEIKH ABDUL HAMID, SON RADU	THERMOSTABLE LIPASE FROM LOCAL STRAINS OF LIPASE-PRODUCING THERMOPHILIC BACTERIA	GOLD	UNIVERSITY
UPM031	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITY PUTRA MALAYSIA (UPM)	YUNUS SHUKOR, MOHD. FADHIL ABD. RAHMAN, SITI AQLIMA AHMAD, WAN SURINI WAN HUSIN, SIM HAN KOH, ARIFF KHALID, NOR ARIPIN SHAMAAN, MOHD. ARIF SYED	MONITORING OF HEAVY METALS POLLUTION in MALAYSIAN RIVERS USING AN INHIBITIVE ENZYME ASSAY SYSTEM	GOLD	UNIVERSITY
UPM033	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY PUTRA MALAYSIA (UPM)	DR AHMAD BUSTAMAM HJ. ABDUL	A NATURAL COMPOUND, ISOLATED AND PURIFIED FROM A LOCAL HERBAL PLANT, INTERFERES WITH CERVICAL INTRA EPITHELIAL CARCINOMA PROGRESSION.	GOLD	UNIVERSITY
UPS1002	INDUSTRIAL DESIGN	UNIVERSITI PENDIDIKAN SULTAN IDRIS (UPSI)	ABDUL RAZAK ABDUL JABAR, MOHD NOOR BIN MUSTAFFA	BATIK DALAM DAMENSI BARU	GOLD	UNIVERSITY
USM003	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI SAINS MALAYSIA (USM)	WONG CHOW JENG, ASSOC. PROF. DR. MOHD. ZUBIR MAT JAFRI, ASSOC. PROF. DR. KHIRUDDIN ABDULLAH, NASIRUN MOHD. SALEH, LIM HWEE SAN, LOW KHEE LAM	INTELLIGENT AIR POLLUTION MEASUREMENT SYSTEM	GOLD	UNIVERSITY
USM004	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITI SAINS MALAYSIA (USM)	DR. MOHD RIZAL BIN ARSHAD, SYED SAHAL NAZLI AL-HADY BIN SYED HASAN	AN INTELLIGENT ECG DIAGNOSTIC SYSTEM FOR HEART DISORDER DETERMINATION	GOLD	UNIVERSITY
USM007	MULTIMEDIA	UNIVERSITI SAINS MALAYSIA (USM)	DR KAMAL ZUHAIRI BIN ZAMLI, DR NOR ASHIDI BIN MAT ISA, SITI NORBAYA BT AZIZAN	JTST - AUTOMATED UNIT TESTING TOOL FOR JAVA PROGRAM	GOLD	UNIVERSITY
USM010	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITI SAINS MALAYSIA (USM)	ASSOCIATE PROFESSOR DR. DARAH IBRAHIM, PROFESSOR IBRAHIM CHE OMAR, LEE CHEE KEONG, PANG PEI KHENG	FERMSOSTAT - A NEW INDUSTRIAL INNOVATION IN SOLID-STATE FERMENTATION	GOLD	UNIVERSITY
USM011	ELECTRICITY / ELECTRONICS	UNIVERSITI SAINS MALAYSIA (USM)	PROF. ZHARI ISMAIL, AKM SHAFIQUK ISLAM, PROF. MOHD NOOR AHMAD, PROF. MADYA ABDUL RAHMAN OTHMAN, PROF. BAHRUDDIN SAAD	COMBINED ELECTRONIC NOSE AND TONGUE FOR THE VERIFICATION OF HERBAL PRODUCTS	GOLD	UNIVERSITY
USM014	AGRICULTURE	UNIVERSITI SAINS MALAYSIA (USM)	ASSOCIATE PROF. CHAN LAI KENG, PROF. BOEY PENG LIM	A NOVEL COST-EFFECTIVE CULTURE SYSTEM FOR MASS CLONING OF PLANTS	GOLD	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
USM016	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITI SAINS MALAYSIA (USM)	PROFESOR DR. RAHMAH NOORDIN, ROHANA ABDUL RAHMAN	WB RAPID : A TEST FOR THE RAPID, SENSITIVE AND SPECIFIC DETECTION OF WUCHERERIA BANCROFTI FILARIA INFECTION	GOLD	UNIVERSITY
USM017	MANUFACTURING PROCESS	UNIVERSITI SAINS MALAYSIA (USM)	DR. MOHAMAD NASIR MOHAMAD IBRAHIM, DR. COSWALD SIPAUT, IZWAN EZAT	PLATING ON ANYTHING!	GOLD	UNIVERSITY
USM018	TELECOMMUNICATIONS	UNIVERSITI SAINS MALAYSIA (USM)	PROF. MADYA DR. SURESWARAN RAMADASS, AZLAN OSMAN, DR. OMAR AMER ABOUABDALLA, ARNAUD MARTIN, IZAN HUSAINY HASBULLAH, SALAH NOORI SALEH, PHANG TZE SHU, USMAN SARWAR, TAN CHEN WEI	NAT AND FIREWALL TRAVERSAL SOLUTION FOR MCSv6	GOLD	UNIVERSITY
USM019	MATERIALS	UNIVERSITI SAINS MALAYSIA (USM)	PROFESSOR DR. HJ. ZAINAL ARIFIN B. HJ. AHMAD, ASSOCIATE PROF. DR. LUAY BAKIR HUSSAIN, MOHAMAD ZAKY NOH	CERAMIC-METAL CUTTING TOOL PRODUCED VIA FRICTION WELDING	GOLD	UNIVERSITY
UTN003	MATERIALS	UNIVERSITI TENAGA NASIONAL (UTN)	DR. MD. MUJIBUR RAHMAN, IR. DR. RAMESH SINGH, FARIS TARLOCHAN, SANY SHARIMAN MD. NOR, ASSOC. PROF. DR. AHMAD KAMAL ARIFFIN M. IHSAN	NEAR-NET-SHAPING OF MECHANICAL COMPONENTS THROUGH WARM COMPACTION PROCESS	GOLD	UNIVERSITY
UTN005	TELECOMMUNICATIONS	UNIVERSITI TENAGA NASIONAL (UTN)	NORASHIDAH BINTI MD DIN, ZULKIFLI BIN ISHAK, MD ZAINI BIN JAMALUDIN, ALIFF UMAIR BIN SALLEH	IPQIT - AN INTERNET QOS NETWORK SIMULATOR KIT	GOLD	UNIVERSITY
UTP001	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	AP DR. ABD. RASHID ABD. AZIZ (PROJECT LEADER), AP DR. CHALILULLAH RANGKUTI, MASRI BAHAROM, NOR SHAHRUL ABU BAKAR, SAIFUL A ZULKIFLI, M RAZALI HANIPAH, M FAHMI HASHIM, SYAIFUDDIN MOHD, M ARIEF M NOR, AHMAD AL-FARUK A TERMIZI, MIOR AZMAN MEOR SAID, SHARULSHAM DOL, MARK OVINIS, SHAFRIZA NISHA BASAH, DR. TAJ M BALOCH, SALISA A RAHMAN	CONCEPT PROTOTYPE SERIES HYBRID ELECTRIC VEHICLE WITH ON-BOARD LINEAR GENERATOR	GOLD	UNIVERSITY
UTP007	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	PROF. DR. P.A.VENKATACHALAM, FAIZAN JAVED, ASSOC. PROF. IR. DR. AHMAD FADZIL MOHD HANI	LOW COST COMPUTER CARDIOLOGIST FOR QUICK DIAGNOSIS OF HEART CONDITIONS	GOLD	UNIVERSITY
	SILVER MEDALS					
COR003	BIOTECHNOLOGY, HEALTH & FITNESS	THE ORIGIN FOODS SDN BHD	DATUK DAVID YEAT SEW CHUONG	DENG KANG LU (DKL)	SILVER	CORPORATE

Ref	Category	Organisation	Inventors	Invention	Award	
IDV006	HOUSEHOLD ITEMS	HTU TECHNOLOGIES AND DEVELOPMENT SDN BHD	ISMAIL DENNIS BIN BAHATIAI	FLUORESCENT LIGHT ENERGY SAVING	SILVER	INDIVIDUAL
IDV055	INDUSTRIAL EQUIPMENT	INSTITUTE FOR SUPPORT OF IRANIAN RESEARCHERS, INVENTORS, & INNOVATORS	SAADATI MANSOUR, SAADATI. MASOUD, SAADATI NASRIN	THE SUNNY DESALINATER CAPABLE TO PROVIDE AND ADD THE REQUIRED MINERALS FOR THE HUMAN BODY.	SILVER	INDIVIDUAL
IDV059	TELECOMMUNICATIONS	INSTITUTE FOR SUPPORT OF IRANIAN RESEARCHERS, INVENTORS, & INNOVATORS	NASERABADI SEYED PASHA	DISTANCE LEARNING MANAGEMENT.	SILVER	INDIVIDUAL
IDV065	BIOTECHNOLOGY, HEALTH & FITNESS	INSTITUTE FOR SUPPORT OF IRANIAN RESEARCHERS, INVENTORS, & INNOVATORS	ZAREEI ALI, GHORBANI SHAHIN	THE BODY BUILDING APPARATUS SPECIFIC FOR STRENGTHENING THE MUSCLES OF THE UPPER PART OF BODY IN THESE HANDICAPPED	SILVER	INDIVIDUAL
IDV066	BIOTECHNOLOGY, HEALTH & FITNESS	INSTITUTE FOR SUPPORT OF IRANIAN RESEARCHERS, INVENTORS, & INNOVATORS	ZAREEI ALI, GHORBANI SHAHIN	THE SPECIFIC ISOMETRIC AND ISOTONIC APPARATUS OF WRIST AND ANKLE JOINTS ABLE TO BE OPENED IN A GRADED WAY.	SILVER	INDIVIDUAL
IDV070	INDUSTRIAL DESIGN	INSTITUTE FOR SUPPORT OF IRANIAN RESEARCHERS, INVENTORS, & INNOVATORS	KHOSH REZA ASGHAR, KHOSH REZA GHOLAMREZA, KHOSH REZA ZOHREH	ELECTROMAGNETICAL SPEED CONTROL DEVICE WITH REMOTE CONTROL.	SILVER	INDIVIDUAL
IDV074	INDUSTRIAL DESIGN	INSTITUTE FOR SUPPORT OF IRANIAN RESEARCHERS, INVENTORS, & INNOVATORS	ZAREEI ALI, GHORBANI SHAHIN	2 - THE SPECIFIC ISOMETRIC AND ISOTONIC APPARATUS OF WRIST AND ANKLE JOINTS ABLE TO BE OPENED IN A GRADED WAY.	SILVER	INDIVIDUAL
IDV036	AUTOMOTIVE	INVENTION INNOVATIVE HUB	KEE HUA HEAN	DROWSINESS PREVENTION APPARATUS TO KEEP DRIVER AWAKE	SILVER	INDIVIDUAL
IDV020	INDUSTRIAL EQUIPMENT	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	KIM YOUNG-HO	PACKAGING MEMBER FOR FRESH FRUIT	SILVER	INDIVIDUAL
IDV025	INDUSTRIAL DESIGN	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	YANG SOO-YOUNG	AN ELECTRIC FAN FOR SENSING THE STATIC ELECTRICITY OF THE HUMAN	SILVER	INDIVIDUAL
IDV026	BIOTECHNOLOGY, HEALTH & FITNESS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	CHOI HYEONG-RAK	PIN-SET HAVING STOPPING FUNCTION	SILVER	INDIVIDUAL
IDV030	HOUSEHOLD ITEMS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	LEE MOON-SOO	A HINGE	SILVER	INDIVIDUAL
IDV031	EDUCATIONAL ITEMS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	LIM SUH-HWAN	A PROTRACTOR HAVING A RULER	SILVER	INDIVIDUAL
IDV033	BIOTECHNOLOGY, HEALTH & FITNESS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	CHOI YOUNG-CHUL	DISPENSER DEVICE	SILVER	INDIVIDUAL

Ref	Category	Organisation	Inventors	Invention	Award	
IDV080	BIOTECHNOLOGY, HEALTH & FITNESS	MINISTRY OF AGRICULTURE JIHAD / RAZI RESEARCH INSTITUTE	MASOUD MOGHADDAM POUR	BILATERAL VACCINE / BIRD FLU	SILVER	INDIVIDUAL
IDV038	ENVIRONMENTAL & RENEWABLE ENERGY	SRI LANKA INVENTORS COMMISSION	DR.M.A.R.V.FERNANDO	METHOD OF MAKING LOW COST AND HIGH EFFICIENCY TURBINES BY MODIFICATION OF STANDARD PUMPS	SILVER	INDIVIDUAL
IDV042	AUTOMOTIVE	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	ABDULLAH SANI B ABD RAHMAN, NAZLEENI SAMIHA BT HARON, WAN ANAS MASYUDI B WAN ABDULLAH SANI	VEHICLE REMOTE CONTROL AND MONITORING SYSTEM USING GSM INFRASTRUCTURE	SILVER	INDIVIDUAL
IUM002	BIOTECHNOLOGY, HEALTH & FITNESS	INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA (IUM)	NOOR FAIZUL HADRY BIN NORDIN, MARDIANA BINTI MOHD. ASHAARI	MOLECULAR DETECTION OF SPECIFIC GENES FOR DEGRADATION OF XYLENE	SILVER	UNIVERSITY
IUM009	BIOTECHNOLOGY, HEALTH & FITNESS	INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA (IUM)	PARVEEN JAMAL, MD.ZAHANGIR ALAM, MD.RAMLAN M. SALLEH, MASRINA M.NADZIR, MUNIRAH M.AKIB	LIQUID STATE BIOCONVERSION OF ORGANIC RESIDUES FOR PRODUCTION OF CITRIC ACID BY ASPERGILLUS NIGER	SILVER	UNIVERSITY
KKM006	MATERIALS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	MAZLEE BIN MOHD. NOOR, ASSOCIATE PROFESSOR DR. SHAMSUL BAHARIN JAMALUDIN, CHE MOHD. RUZAIDI GHAZALI, CHEK IDRUS OMAR	RECYCLED ALUMINIUM COMPOSITE PULLEY	SILVER	UNIVERSITY
KKM013	MATERIALS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	KHAIRUL NIZAR ISMAIL, MOHD SOBRI IDRIS, PROF. DR KAMARUDIN HUSSIN, PROF. DR SABARUDIN MOHD, PROF. MADYA DR KHAIRUN AZIZI MOHD AZIZLI	THE PRODUCTION OF LIGHTWEIGHT AGGREGATES USING FLY ASH	SILVER	UNIVERSITY
KKM014	BIOTECHNOLOGY, HEALTH & FITNESS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	KENNETH SUNDARAJ, SAZALI YAACOB	ARTHROSCOPY KNEE RECONSTRUCTION USING VIRTUAL REALITY ASSISTED MEDICAL ROBOTS	SILVER	UNIVERSITY
KKM016	MANUFACTURING PROCESS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	PROF. MADYA UDA HASHIM, PROF. MADYA DR. ZUL AZHAR ZAHID JAMAL, NUR HAMIDAH ABDUL HALIM, MOHAMAD NUZAIHAN MD. NOR	MOS TRANSISTOR MASK DESIGN USING E-BEAM LITHOGRAPHY	SILVER	UNIVERSITY
KKM017	MANUFACTURING PROCESS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	UDA HASHIM, ZUL AZHAR ZAHID JAMAL, NUR HAMIDAH ABDUL HALIM, MOHAMMAD NUZAIHAN MD NOR, PHANG KENG CHEW, HAFFIZ ABD RAZAK, BAHARI MAN	MOS TRANSISTOR (FABRICATED USING IN-HOUSE LOW COST FACILITY)	SILVER	UNIVERSITY
KKM022	MATERIALS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	C.M. RUZAIDI GHAZALI, PROF DATO' DR. KAMARUDIN HUSSIN, PROF MADYA DR. SHAMSUL BAHARIN, KHAIRUL NIZAR	KUKUM IMPREG WOOD	SILVER	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
KTM005	AGRICULTURE	KOLEJ UNIVERSITI SAINS DAN TEKNOLOGI MALAYSIA (KUSTEM)	AHMAD JUSOH	A MECHANIZED WHITE PEPPER PRODUCTION	SILVER	UNIVERSITY
KTM008	AGRICULTURE	KOLEJ UNIVERSITI SAINS DAN TEKNOLOGI MALAYSIA (KUSTEM)	PROF. MADYA DR. AWANG SOH B MAMAT, RAZIFAH BT MOHD RAZALI, NOR SHARIAH SALLEH, ROKIAH BT ZAINUDDIN	THE VIRGIN COCONUT OIL (COCOS NUCIFERA)	SILVER	UNIVERSITY
R&I003	BIOTECHNOLOGY, HEALTH & FITNESS	FOREST RESEARCH INSTITUTE MALAYSIA (FRIM)	VIMALA SUBRAMANIAM, MOHD ILHAM ADENAN, ABDULL RASHIH AHMAD, ROHANA SAHDAN, JULIZA MOHAMED, STUART SOO, LOH KAI KWONG	NATURAL ANTIOXIDANT BEVERAGE : CARTILAC	SILVER	RESEARCH INSTITUTE
R&I013	BIOTECHNOLOGY, HEALTH & FITNESS	FOREST RESEARCH INSTITUTE MALAYSIA (FRIM)	ONG BOO KEAN, DR RASADAH MAT ALI, MOHD SHAHIDAN MOHD ARSHAD, ZAMREE MD SHAH, PIN KAR YONG, MOHD RADZI AHMAD, ABDULL RASHIH AHMAD, HADA MASAYU ISMAIL, NOOR RASYILA MOHAMED NOOR	DEVELOPMENT OF HERBAL TEA FROM VITEX NEGUNDO	SILVER	RESEARCH INSTITUTE
R&I015	PERSONAL-CARE PRODUCTS	FOREST RESEARCH INSTITUTE MALAYSIA (FRIM)	DR. NOR AZAH BT. MOHAMAD ALI, ZARIDAH MOHD. ZAKI, MAILINA JAMIL, ABDUL MAJID JALIL, SAIDATUL HUSNI SAIDIN, MOHD. FARIDZ ZOLPATAH, ABU SAID AHMAD	DEESREPT - MOSQUITO REPELLENT ESSENTIAL OILS	SILVER	RESEARCH INSTITUTE
R&I038	MATERIALS	LEMBAGA GETAH MALAYSIA (LGM)	DR. YUSOF AZIZ, NG KOK POON, DR. FARIDAH HANIM AB HANAN, DR ZAID ISA, DR. AMIR HASHIM MD. YATIM	ENVIRONMENTALLY-FRIENDLY ZINC-FREE ACTIVATOR FOR NATURAL RUBBER LATEX PRODUCTS	SILVER	RESEARCH INSTITUTE
R&I035	AGRICULTURE	MALAYSIAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (MARDI)	GHAZALI BIN HUSSIN, MOHAMAD ISA BIN OTHMAN, ZAINUDDIN BIN ZAKARIA @ ZAHARI	OTOSIL, A COST EFFICIENT MACHINE FOR OPF SILAGE PRODUCTION	SILVER	RESEARCH INSTITUTE
R&I001	BIOTECHNOLOGY, HEALTH & FITNESS	MALAYSIAN PALM OIL BOARD (MPOB)	DR. AHMAD PARVEEZ GHULAM KADIR, FATIMAH TAHIR	FERTILE TRANSGENIC OIL PALM - A FACTORY FOR PRODUCING NOVEL PRODUCTS IN OIL PALM	SILVER	RESEARCH INSTITUTE
R&I021	MANUFACTURING PROCESS	MALAYSIAN PALM OIL BOARD (MPOB)	PUAH CHIEW WEI, DR. CHOO YUEN MAY, DR. IR. MA AH NGAN, Y. BHG. TAN SRI DATUK DR. YUSOF BASIRON	ECONOMICAL & ENVIRONMENT-FRIENDLY PROCESS TO PRODUCE PALM BIO-ACTIVES COMPONENTS	SILVER	RESEARCH INSTITUTE
R&I029	AGRICULTURE	MALAYSIAN PALM OIL BOARD (MPOB)	ABD RAHIM SHUIB, MOHD RAMDHAN KHALID, JOHARI JAMAK	AIR-ASSISTED OIL PALM LOOSE FRUIT SEPARATING MACHINE	SILVER	RESEARCH INSTITUTE
R&I008	BIOTECHNOLOGY, HEALTH & FITNESS	SIRIM BERHAD	K.NADARAJAH, RIDZUAN KAMARUDDIN, JAAFAR ABDULLAH, ADNAN BIN MD. SHARIF, MAD ARIF BIN HAMID	A BIOSENSOR PROTOTYPE FOR RAPID DETECTION OF HISTAMINE FOR FRESHNESS OF SEAFOOD	SILVER	RESEARCH INSTITUTE

Ref	Category	Organisation	Inventors	Invention	Award	
R&I016	MATERIALS	SIRIM BERHAD	DR. WD TENG, RAFINDDE R, ABDUL RAHIM MS, AHMAD SABATA S, NORHAYATI MI, ZULAILA A, ZALENA S, AZURA R	DEVELOPMENT OF PRECISE MINI CERAMIC CRUCIBLES FOR SCIENTIFIC EQUIPMENT	SILVER	RESEARCH INSTITUTE
R&I031	INDUSTRIAL EQUIPMENT	SIRIM BERHAD	YONG EN HAUR, ABDUL RASHID ZAINAL ABIDIN, ROZIATI ZAINUDDIN	INTERNET-BASED SYSTEM FOR CALIBRATION OF INSTRUMENTS	SILVER	RESEARCH INSTITUTE
R&I009	BIOTECHNOLOGY, HEALTH & FITNESS	SIRIM BERHAD & UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	JAAFAR ABDULLAH, MUSA AHMAD, LEE YOOK HENG, NADARAJAH KARUPPIAH, HAMIDAH SIDEK	PORTABLE OPTICAL BIOSENSOR KIT FOR MONITORING PHENOLIC DISCHARGE	SILVER	RESEARCH INSTITUTE
THO005	TRANSPORTATION	KOLEJ UNIVERSITI TEKNOLOGI TUN HUSSEIN ONN (KUITTHO)	ABDUL MUTALIB BIN LEMAN, NOOR HAKIM BIN RAFAI, MUHAMMAD A'IMULLAH BIN ABDULLAH	AUTOMATIC CANVAS 'OTOVAS'	SILVER	UNIVERSITY
UiTM004	MATERIALS	UNIVERSITI TEKNOLOGI MARA (UiTM)	ASSOC. PROF. IR. DR. MOHD YUSOF BIN ABDUL RAHMAN, TEY LI SIAN, ASSOC. PROF. DR. AZEMI BIN SAMSURI	RUBBER-SYNTHETIC POLYMER MODIFIED BITUMINOUS BINDER FOR HIGHWAY	SILVER	UNIVERSITY
UiTM006	INDUSTRIAL DESIGN	UNIVERSITI TEKNOLOGI MARA (UiTM)	PROF MADYA DR SHARIFAH AISHAH SYED A. KADIR, PROF MADYA DR MOHD ROSLI SULAIMAN, KHOO KHENG HONG, HAIRI ALI, HANAFIAH ZAINAL ABIDIN	ROTARY KILN INCINERATOR FOR SOLID WASTE TREATMENT	SILVER	UNIVERSITY
UiTM007	MULTIMEDIA	UNIVERSITI TEKNOLOGI MARA (UiTM)	NORZAIDI MOHD DAUD, INTAN SALWANI MOHAMED	CORPORATE INTRANET IMPLEMENTATION & MIDDLE MGR PERFORMANCE IN PORT INDUSTRY	SILVER	UNIVERSITY
UiTM027	MATERIALS	UNIVERSITI TEKNOLOGI MARA (UiTM)	KAMARULZAMAN NORDIN, SHAHRIL ANUAR BAHARI, MOHD NAZARUDIN ZAKARIA, ASSOC. PROFESSOR DR MOHD ARIFF JAMALUDIN	ENVIRONMENTAL-FRIENDLY SANDWICH PANEL USING BAMBOO SKIN WASTES AS CORE MATERIAL	SILVER	UNIVERSITY
UiTM031	INDUSTRIAL EQUIPMENT	UNIVERSITI TEKNOLOGI MARA (UiTM)	DR WONG TIN WUI, PROF. DR. MOHD NASIR TAIB, PROF. DR. DEEPAK K. GHODGAONKAR, NOR KHAIZAN ANUAR	NON-DESTRUCTIVE MICROWAVE TECHNIQUE FOR CHARACTERIZATION OF TRANSDERMAL PATCH	SILVER	UNIVERSITY
UKL001	MULTIMEDIA	UNIVERSITI KUALA LUMPUR (UKL)	ZULHAFIZ BIN TAJUDIN, AZRIL BIN MAHERAN, SYED AZHAR BIN SYED ABDUL RAHMAN, FAHMI ASYADI MD YUSOF	INTELLIGENT RISK ASSESSMENT & SAFETY SYSTEM (IRAS)	SILVER	UNIVERSITY
UKM001	BUILDING AND CONSTRUCTION	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	DR. KHAIRIAH HAJI BADRI, ILYATI MOHD RAZALI, KHAIRUL ANUAR MAT AMIN	PALM-BASED THERMAL-INSULATING AND SOUND-ABSORBING PANELS FOR HOME CONSTRUCTION	SILVER	UNIVERSITY
UKM009	MATERIALS	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	ISHAK AHMAD, IBRAHIM ABDULLAH	SUPERTOUGHNESS POLYESTER COMPOSITES BY LIQUID NATURAL RUBBER	SILVER	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
UKM012	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	MUHAMMAD FAUZI MOHD ZAIN, HASHEM MOHD ALI AL-MATTARNEH, RABAH MAHMOUD AHMAD ISMAIL, RAIHAN MOHD TAHA, HASSAN BASRI	SC-DISE (SOIL CONTAMINATION DIELECTRIC SENSOR)	SILVER	UNIVERSITY
UKM017	AEROSPACE & AVIATION	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	ZAINOL ABIDIN ABDUL RASHID, ISHAK MOHAMAD, BAHARUDIN YATIM	TRAFFIC ALERT COLLISION AVOIDANCE TRANSPONDER (TRAC)	SILVER	UNIVERSITY
UM001	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY OF MALAYA (UM)	ASSOCIATE PROFESSOR DR PREPAGERAN NARAYANAN, PROFESSOR RAMAN RAJAGOPALAN, EN MAZKAN DAHALIL	ENDOSCOPE HOLDER (MODIFIED MITCHELLSON)	SILVER	UNIVERSITY
UM004	INFANT & CHILD-CARE	UNIVERSITY OF MALAYA (UM)	ASSOC. PROF. DR. THONG MEOW KEONG, ASSOC. PROF. DR. OW SIEW HOCK, WONG VOON FUI	PEDIGREEPRO - A COMPUTER-AIDED SYSTEM FOR THE RECORDING OF HEREDITARY DISEASES AND ANALYSIS OF GENETIC RISK IN A FAMILY	SILVER	UNIVERSITY
UM007	BUILDING AND CONSTRUCTION	UNIVERSITY OF MALAYA (UM)	ASSOC. PROF. DR. HILMI BIN MAHMUD, SUDHARSHAN NAIDU RAMAN	HIGH STRENGTH HIGH PERFORMANCE RICE HUSK ASH CONCRETE	SILVER	UNIVERSITY
UM009	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY OF MALAYA (UM)	ASSOC PROF DR ROZIATI BT ZAINUDDIN, ASSOC PROF DR MOHD SAPIYAN BABA, ASSOC PROF RAJA NOOR AINON ZABARIAH, ROSNANI RAMIN, AINI HAZILA HAMZAH	SCIENTIFIC VISUALIZATION OF THERMAL PROCESS IN RELATION TO BODY TEMPERATURE	SILVER	UNIVERSITY
UM014	OFFICE PRODUCTS	UNIVERSITY OF MALAYA (UM)	NAZEAN BINTI JOMHARI, GALOH RASHIDAH BINTI HARON	SOFTWARE INSTALLATION FORMAL ASSESSMENT ROUTINE (SIFAR)	SILVER	UNIVERSITY
UM016	AUTOMOTIVE	UNIVERSITY OF MALAYA (UM)	PROF. DR. MASJUKI BIN HJ HASSAN, MD ABUL KALAM, ABDUL RAHMAN BIN HAJAR, SAIFULLAH BIN MD GHAZALY, HUSNAWAN MUTIARA	BIOFADD CUTS EMISSIONS AND INCREASES PERFORMANCE WHEN FUELLING AN UNMODIFIED DIESEL ENGINE	SILVER	UNIVERSITY
UM018	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY OF MALAYA (UM)	DRS. RIYANTO TEGUH WIDODO, ASSOCIATE PROFESOR DR SAMSINAH HUSSAIN, PROFESOR DATO' DR MOHD AMIN JALALUDIN	LIQUID ARTIFICIAL SALIVA FORMULATIONS	SILVER	UNIVERSITY
UM026	EDUCATIONAL ITEMS	UNIVERSITY OF MALAYA (UM)	DR. RUKAINI ABDULLAH, ABDULLAH GANI, ASSOC PROF DR R. ZAINUDDIN, NURMANISAH MUHAMAD, NURUL AIN HASSIM	ADAPTIVE AND INTERACTIVE MULTIMEDIA SYSTEM TO PROMOTE LEARNING SKILLS FOR ROBOTICS	SILVER	UNIVERSITY
UPM003	AGRICULTURE	UNIVERSITY PUTRA MALAYSIA (UPM)	MOHD RIDZWAN ABD HALIM, MD MAINUL HASSAN	PELLETED RICE-STRAW BASED TOTAL MIXED RATION	SILVER	UNIVERSITY
UPM005	AGRICULTURE	UNIVERSITY PUTRA MALAYSIA (UPM)	SIEO CHIN CHIN, NORHANI ABDULLAH, TAN WEN SIANG, HO YIN WAN	MICROBES FOR ENHANCING POULTRY INDUSTRY	SILVER	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
UPM008	AGRICULTURE	UNIVERSITY PUTRA MALAYSIA (UPM)	ROSENANI ABU BAKAR, WAN ASMA IBRAHIM, WAN RASHIDAH ABDUL KADIR	CONVERSION OF OIL PALM EMPTY FRUIT BUNCH INTO A MULCH MAT FOR ESTABLISHMENT OF FOREST SPECIES ON SANDY SOILS	SILVER	UNIVERSITY
UPM011	MATERIALS	UNIVERSITY PUTRA MALAYSIA (UPM)	ABDUL HALIM SHAARI, LIM KEAN PAH, HUDA ABDULLAH, ELIAS SAION, KAIDA KHALID, ZULKIFLY ABBAS, SIDEK HJ. A. AZIZ, MOHD FAISAL MOHD ARIS, LEE OON JEW, WALTER CHARLES	NOVEL CERAMIC SENSING MATERIAL FOR MAGNETIC FIELD AND PRESSURE MEASUREMENT	SILVER	UNIVERSITY
UPM012	MATERIALS	UNIVERSITY PUTRA MALAYSIA (UPM)	ABDUL HALIM SHAARI, ROSLAN ABD SHUKOR, MASRIANIS AHMAD, MANSOR HASHIM, ZAINAL ABIDIN TALIB, IMAD HAMADNEH, MOHD. MUSTAFA AWANG KECHIK	HIGH-CURRENT DENSITY CERAMIC SUPERCONDUCTOR TAPE	SILVER	UNIVERSITY
UPM015	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY PUTRA MALAYSIA (UPM)	KHOZIRAH SHAARI, FARIDAH ABAS, SURYATI SAFRI, DAUD ISRAF ALI, NORDIN HJ. LAJIS	MELICOPE PTELEFOLIA: A NATURAL INHIBITOR OF INFLAMMATION AND AN ANTIOXIDANT	SILVER	UNIVERSITY
UPM017	AGRICULTURE	UNIVERSITY PUTRA MALAYSIA (UPM)	PROFESSOR DR. SON RADU, TOSIAH ABDULLAH, USHA MENON RAGAVAN, CHAI LAY CHING, TUNUNG ROBIN	THE ANALYSIS OF PRESENCE OF GMO IN SOY BY PCR AND REAL-TIME PCR	SILVER	UNIVERSITY
UPM018	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITY PUTRA MALAYSIA (UPM)	MEGAT JOHARI MEGAT MOHD NOOR, ABDUL GHANI LIEW ABDULLAH, KATAYON SAED, THAMER AHMED MOHAMED, SULEYMAN AREMU MUYIBI, ABDUL HALIM GHAZALI, BADRONNISA YUSOF, NG SHU CHIN, WAI KIEN TAT, AHMED HUSSIEN BIRIMA MOHAMMED	ECO-POLYMER COAGULANT	SILVER	UNIVERSITY
UPM025	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY PUTRA MALAYSIA (UPM)	FAUZIAH OTHMAN, ASMAH RAHMAT, ABDAL MD AKIM, DESSY ARISANTY, ZOLKAPLI ESHAK	AZAC@ A GREAT POTENTIAL FOR ANTI-CERVICAL CANCER	SILVER	UNIVERSITY
UPM027	AGRICULTURE	UNIVERSITY PUTRA MALAYSIA (UPM)	DR. MAHENDRAN SHITAN, PROF. DR. FATIMAH M.YUSOFF, R.P.P.K JAYASINGHE, H.REZAI	PREDICTING COPEPOD NAUPII DENSITIES IN THE STRAITS OF MALACCA	SILVER	UNIVERSITY
UPM032	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITY PUTRA MALAYSIA (UPM)	YUNUS SHUKOR, MOHD. FADHIL ABD. RAHMAN, SITI AQLIMA AHMAD, WAN SURINI WAN HUSIN, SIM HAN KOH, ARIFF KHALID, NOR ARIPIAN SHAMAAN, MOHD. ARIF SYED	BIOREMEDIATION OF A HEAVY METAL USING XENOCLEAN-MOLYBDENUMTM	SILVER	UNIVERSITY
USM001	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI SAINS MALAYSIA (USM)	ASSOC. PROF. IR. NIK FUAAD BIN NIK ABLLAH, ASSOC. PROF. DR. ABDUL KHALIL SHAWKATALY, KANG CHEN WAI	ULC AGRO-FIBRE MODULAR SEPTIC TANK	SILVER	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
USM002	PERSONAL-CARE PRODUCTS	UNIVERSITI SAINS MALAYSIA (USM)	K. SUDESH KUMAR, GOH LAY KOON, CHEE JIUN YEE, JUDY LOO CHING YEE, LEE WING HIN	A NOVEL FACIAL OIL BLOTTING FILM BASED ON BIODEGRADABLE THERMOPLASTIC	SILVER	UNIVERSITY
USM006	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITI SAINS MALAYSIA (USM)	PROFESSOR CHAN KIT LAM, TEH CHIN HOE	STANDARDIZED EURYCOMA LONGIFOLIA (TONGKAT ALI) SOFT-GEL CAPSULE	SILVER	UNIVERSITY
USM009	ELECTRICITY / ELECTRONICS	UNIVERSITI SAINS MALAYSIA (USM)	DR. RAHMAT BUDIARTO, ASSOC. PROF. DR. SURESWARAN RAMADASS, AZLAN OSMAN, MUHAMMAD FERMI PASHA, AW CHEN LOONG, LO PENG FOO, CHENG HAN PIN	INTELLIGENT NETWORK	SILVER	UNIVERSITY
USM015	INDUSTRIAL DESIGN	UNIVERSITI SAINS MALAYSIA (USM)	ASSOC. PROF. DR. ABDUL LATIF AHMAD, LAU KOK KEONG, DR. SYAMSUL RIZAL ABDUL SHUKOR, DR. MOHAMAD ZAILANI ABU BAKAR	SPACETEC: A NOVEL SPIRAL WOUND MEMBRANE (SWM) SPACER TO ENHANCE SWM LIFE SPAN	SILVER	UNIVERSITY
UTM002	BUILDING AND CONSTRUCTION	UNIVERSITI TEKNOLOGI MALAYSIA (UTM)	PROF. DR. AHRIS YAAKUP, MAHADI CHE NGAH, AHMAD NAZRI MUHAMMAD LUDIN	PLANNING AND DEVELOPMENT CONTROL SYSTEM	SILVER	UNIVERSITY
UTM003	INDUSTRIAL EQUIPMENT	UNIVERSITI TEKNOLOGI MALAYSIA (UTM)	PROF. DR. RUZAIRI ABD. RAHIM, CHAN KOK SEONG	ELECTRICAL CAPACITANCE TOMOGRAPHY (ECT) SYSTEM WITH MOBILE SENSOR FOR PALM OIL MEASUREMENT	SILVER	UNIVERSITY
UTM004	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI TEKNOLOGI MALAYSIA (UTM)	PROF. DR. NOR AISHAH SAIDINA AMIN, RAMLI MAT, ISTADI	A NOVEL PROCESS FOR CONVERSION OF MUNICIPAL SOLID WASTE (MSW) TO FUELS AND CHEMICALS	SILVER	UNIVERSITY
UTM005	MANUFACTURING PROCESS	UNIVERSITI TEKNOLOGI MALAYSIA (UTM)	PROF. DR. MOHD. MARSIN SANAGI, SEE HONG HENG, ASSOC. PROF. DR. WAN ANI WAN IBRAHIM, ASSOC. PROF. DR. AHMED ABU NAIM	PLEX-METHOD FOR PRESSURIZED LIQUID EXTRACTION AND SEPARATION OF NATURAL VITAMIN E IN PALM PRESSED FIBER	SILVER	UNIVERSITY
UTM006	ELECTRICITY / ELECTRONICS	UNIVERSITI TEKNOLOGI MALAYSIA (UTM)	PROF. IR. DR. ABDULLAH ASUHAIMI MOHD. ZIN, IR. SAZALI P. ABDUL KARIM	PROTECTION SYSTEM ANALYSIS USING FAULT SIGNATURES	SILVER	UNIVERSITY
UTN004	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI TENAGA NASIONAL (UTN)	DR. ROSE AINI KAMARUDIN, MOHD SHAHIR ZAKARIA, DR. MD. MUJIBUR RAHMAN	GLAZE FORMULATIONS UTILIZING INDUSTRIAL WASTE MATERIALS	SILVER	UNIVERSITY
UTP008	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	DR SUZANA YUSUP, NOOR YUSMIZAR YUSOFF, NORHASLINDA NASUHA, AZLINDA HARON, FAZIRZ SURIANI MOHAMAD FADZIL	MILDER ROUTE FOR MEOH SYNTHESIS FROM RENEWABLE RESOURCES	SILVER	UNIVERSITY
	BRONZE MEDALS					

Ref	Category	Organisation	Inventors	Invention	Award	
IDV060	EDUCATIONAL ITEMS	INSTITUTE FOR SUPPORT OF IRANIAN RESEARCHERS, INVENTORS, & INNOVATORS	MIRKHALAF SEYED JAMAL	(TOURIST GUIDE PACKAGE)TGP	BRONZE	INDIVIDUAL
IDV061	AUTOMOTIVE	INSTITUTE FOR SUPPORT OF IRANIAN RESEARCHERS, INVENTORS, & INNOVATORS	SHANESAZAN ZADEH ALI	DESIGNING OF NOVEL BOLT IN OIL TANK FOR OIL LEAKAGE PROOF AND OIL EXCHANGE.	BRONZE	INDIVIDUAL
IDV069	INDUSTRIAL DESIGN	INSTITUTE FOR SUPPORT OF IRANIAN RESEARCHERS, INVENTORS, & INNOVATORS	KHOSH REZA ASGHAR, KHOSH REZA GHOLAMREZA	THE MECHANICAL AND INTERRUPTING SYSTEM AND EXPRESSIVE FOR GAS LEAKAGE.	BRONZE	INDIVIDUAL
IDV076	ELECTRICITY / ELECTRONICS	INSTITUTE FOR SUPPORT OF IRANIAN RESEARCHERS, INVENTORS, & INNOVATORS	BAGHERI NAJME	NAJMEH COLOR CODE DEVICE	BRONZE	INDIVIDUAL
IDV086	INDUSTRIAL CHEMICALS	ISLAMIC AZAD UNIVERSITY	SASAN MOHAMMADI	PETROCHEMICAL SULFUR COMMON USAGE	BRONZE	INDIVIDUAL
IDV016	HOUSEHOLD ITEMS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	CHOI JAE-HO	SCISSORS FORMED WITH TWEEZERS OF WHICH TENSION IS ADJUSTABLE	BRONZE	INDIVIDUAL
IDV018	OFFICE PRODUCTS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	IM SE-YEOL	CHAIR WITH HANGER	BRONZE	INDIVIDUAL
IDV023	HOUSEHOLD ITEMS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	LIM JI-SUN	A DESK HAVING EASEL	BRONZE	INDIVIDUAL
IDV027	HOUSEHOLD ITEMS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	CHOI HYEONG-RAK	SWITCHED LIGHT FOR SENSING THE BENDING OF PILLOW	BRONZE	INDIVIDUAL
IDV028	HOUSEHOLD ITEMS	KOREA INVENTION PROMOTION ASSOCIATION (KIPA)	KWAK HYUNG-JOO	A PORTABLE WIPER SET	BRONZE	INDIVIDUAL
IDV035	MATERIALS	P.J. LOCKSMITH SDN BHD	LOK KAM LAM (PATRICK)	INVENTION OF COUPLING PART FOR LOCK	BRONZE	INDIVIDUAL
IDV081	AUTOMOTIVE	SEM NAN UNIVERSITY	NASER ESKANDARIAN	SMART SELF ADJUSTABLE BALANCE	BRONZE	INDIVIDUAL
COR001	BUILDING AND CONSTRUCTION	SUPRACOAT (S) SDN BHD	LEE YEE LOON, KOH HENG BOON	KUIK WALL	BRONZE	CORPORATE
IDV043	MULTIMEDIA	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	PATRICK SEBASTIAN, POO HWEI NEE	HANDWRITING RECOGNITION FOR DATA ENTRY	BRONZE	INDIVIDUAL
IDV044	INDUSTRIAL CHEMICALS	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	MOHAMMAD TAZLI B AZIZAN, WIDYA BT KADERI, AZIZUL B BUANG, WAN NOR JIHAN BT WAN WAN JUSOH, AZLINA BT ARIFFIN	IN-SITU TRANSESTERIFICATION OF RUBBER SEED	BRONZE	INDIVIDUAL
IDV045	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	BAWADI B ABDULLAH, DR M AZMUDDIN B ABDULLAH, MUHAMMAD ZAKI B BAHARUDDIN, HASLAN B MAMAT, HAIRUNNISA B HAMDAN, CHITHRA RAJARAM	NETTER	BRONZE	INDIVIDUAL

Ref	Category	Organisation	Inventors	Invention	Award	
IDV048	EDUCATIONAL ITEMS	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	MOHD HARIS B M KHIR, OH LAY SHAN	INTELLIGENT HEXAPOD ROBOT	BRONZE	INDIVIDUAL
IIUM001	MANUFACTURING PROCESS	INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA (IIUM)	MAIZIRWAN MEL, HAMZAH MOHD SALLEH, MOHD ISMAIL ABDUL KARIM	PROCESS IMPROVEMENT OF SEPARATION AND PURIFICATION OF β-GLUCURONIDASE BY NFF	BRONZE	UNIVERSITY
IIUM008	BIOTECHNOLOGY, HEALTH & FITNESS	INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA (IIUM)	ASSOC. PROF. DR. ABD-ELAZIEM FAROUK GAD, DR.RER.NAT. RALF GREINER, ASSIST. PROF. DR. HAMZAH MOHD SALLEH	BACTERIAL PHYTASES BIOREACTORS FOR THE PRODUCTION OF MYO-INOSITOL PHOSPHATES INTERMEDIATES FROM RICE BRAN	BRONZE	UNIVERSITY
KKM003	TELECOMMUNICATIONS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	CHARAN RETNASAMY, VIJENTHI A/P RETNASAMY, SAZALI YAACOB, R.NAGARAJAN, RIZON JUHARI, KENNETH SUNDARAJ, SHUKRY ABD MAJID, MOHAMD HANIF ABD HAMID	HEART CARING HANDY	BRONZE	UNIVERSITY
KKM007	MATERIALS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	DR. MD FAZLUL BARI, LT. KOL. PROF. DATO' DR KAMARUDIN HUSSIN, PROF. MADYA DR. SHAMSUL BAHARIN JAMALUDIN, CHE MOHD RUZAIDI GHAZALI	MICRO CAPSULE WITH FUNCTIONAL GROUP	BRONZE	UNIVERSITY
KKM008	BIOTECHNOLOGY, HEALTH & FITNESS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	ASSOC. PROF. DR MOHD YUSOFF MASHOR, TEOW SUET LI, NOORHIDAYATI ABU SEMAN, DR. SITI SURAIYA MD NOOR, DR. AZIAN HARUN, DR HABSAH HASAN, DR FAUZIAH MOHAMAD IDRIS	TB_SCREEN - AN INTELLIGENT TUBERCULOSIS SCREENING SYSTEM	BRONZE	UNIVERSITY
KKM009	MATERIALS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	PROF MADYA DR. SHAMSUL BAHARIN BIN JAMALUDIN, MAZLEE BIN MOHD NOOR, CHE MOHD RUZAIDI BIN GHAZALI, NURHIDAYAH BINTI AHMAD ZAIDI	METAL IMPLANT	BRONZE	UNIVERSITY
KKM015	ELECTRICITY / ELECTRONICS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	PROF. MADYA DR . UDA HASHIM, MOHAMMAD NUZAIHAN MD NOR, NUR HAMIDAH ABDUL HALIM	NANOWIRES	BRONZE	UNIVERSITY
KKM018	BIOTECHNOLOGY, HEALTH & FITNESS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	PROFESSOR ALI YEON MOHD SHAKAFF, ASSOC. PROF. DR. M.M.D. ZULKALI, PROFESSOR MOHD NOOR AHMAD	GANOBUSTER@: NOVEL, EASY AND CLEAN BASAL STEM ROT DETECTION SYSTEM OF OIL PALM TRUNK	BRONZE	UNIVERSITY
KKM021	MATERIALS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	A. M. MUSTAFA, H. KAMARUDIN, C. M. RUZAIDI, SHAMSUL BAHARIN	CONCRETE CERAMIC WASTE SLAB	BRONZE	UNIVERSITY
KKM027	TELECOMMUNICATIONS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	ZALIMAN SAULI, HASNIZAH ARIS, RAZAIDI HUSSIN, MOHD HAFIZ ISMAIL, RIZALAFANDE CHE ISMAIL	DESIGN AND FABRICATION OF MEMS MICRO SWITCH FOR RF APPLICATIONS	BRONZE	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
KKM028	BIOTECHNOLOGY, HEALTH & FITNESS	KOLEJ UNIVERSITI KEJURUTERAAN UTARA MALAYSIA (KUKUM)	PROF. DR. MOHD NOOR AHMAD, PROF. DR. ALI YEON MD SHAKAFF, ASSOC. PROF. MOHD YUSOFF MANSOR, ASSOC. PROF. ABDUL HAMID, MR. AULKAFLI DAUD	STANDARDIZAED VIRGIN COCONUT OIL	BRONZE	UNIVERSITY
KKT002	MANUFACTURING PROCESS	KOLEJ UNIVERSITI KEJURUTERAAN & TEKNOLOGI MALAYSIA (KUKTEM)	KAMAL BIN YUSOH, MOHD SABRI BIN MAHMUD, MAZRUL NIZAM ABU SEMAN	CONCEPTUAL DESIGN OF PETD REACTIVE DISTILLATION	BRONZE	UNIVERSITY
KTM006	BIOTECHNOLOGY, HEALTH & FITNESS	KOLEJ UNIVERSITI SAINS DAN TEKNOLOGI MALAYSIA (KUSTEM)	AZIZ AHMAD	THERMOTOLERANCE AQUARIUM PLANT CRYPTOCORYNE ELLIPTICA	BRONZE	UNIVERSITY
R&I034	AGRICULTURE	MALAYSIAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (MARDI)	WONG HEE KUM, ANAS BIN AHMAD NASARUDDIN	SELENIUM AND VITAMIN E ENRICHED EGGS FOR HEALTHY LIVING	BRONZE	RESEARCH INSTITUTE
R&I042	AGRICULTURE	MALAYSIAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (MARDI)	ROHANI BINTI MD YON, ZAIPUN MD ZAIN, MOHD RASHID RABU	MODIFIED ATMOSPHERE PACKAGING : THE WAY FORWARD FOR EXPORTING EKSOTIKA	BRONZE	RESEARCH INSTITUTE
R&I043	AGRICULTURE	MALAYSIAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (MARDI)	DR AZMI BIN MAN, MUHAMAD BIN HARUN	WATER SEEDING - AN INNOVATION FOR WEEDY RICE (PADI ANGIN) CONTROL	BRONZE	RESEARCH INSTITUTE
R&I045	AGRICULTURE	MALAYSIAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (MARDI)	ZAINUDIN BIN HJ MEON	ROOT RESTRICTION TECHNOLOGY	BRONZE	RESEARCH INSTITUTE
R&I050	ELECTRICITY / ELECTRONICS	MALAYSIAN CENTRE FOR REMOTE SENSING (MACRES)	HALIM AZIZ, KOO VOON CHET, AZMAH ALI, PETER VON BREVERN, KHAIRUL ANNUAR MAHMOOD, HARITA JAMIL, LIM KAR SING, ZAHID AHMAD	MOBIL PLATFORM AND MICROWAVE SCATTERING SYSTEM UPGRADED	BRONZE	RESEARCH INSTITUTE
R&I002	MANUFACTURING PROCESS	SIRIM BERHAD	DR. MOHD AFIAN OMAR, DR. ROSDI IBRAHIM, DR. KARTINI NOORSAL, MAZLI MUSTAPHA, MAZLAN MOHAMAD	FABRICATION OF FRACTURE FIXATION PLATES FOR ORTHOPEDIC APPLICATIONS USING MIM.	BRONZE	RESEARCH INSTITUTE
R&I006	MATERIALS	SIRIM BERHAD	DR. PATTHI BIN HUSSAIN, DR. MAT HUSIN BIN SALEH, MAZLAN BIN MOHAMMAD, DR. MOHD. AFIAN BIN OMAR, DR. ROSDI BIN IBRAHIM, DR. AZIZAH BINTI SHAABAN	FABRICATION OF BONDED NDFEB PERMANENT MAGNET USING WER METHOD TECHNIQUE	BRONZE	RESEARCH INSTITUTE
R&I007	BIOTECHNOLOGY, HEALTH & FITNESS	SIRIM BERHAD	K.NADARAJAH	ENZYMATIC SYNTHESIS OF AN AQUEOUS BASED SURFACTANT USING PALM OIL SOURCES	BRONZE	RESEARCH INSTITUTE

Ref	Category	Organisation	Inventors	Invention	Award	
R&I048	ELECTRICITY / ELECTRONICS	TELEKOM RESEARCH & DEVELOPMENT SDN BHD	DR. HARIYADI SOETEDJO, NORMAN FADHIL IDHAM MUHAMMAD, IDRIS SABTU, MOHD AZIZI AHMAD RADZI, MOHAMED RAZMAN YAHYA, DR. ABDUL FATAH AWANG MAT	A NEW JUSTIFICATION TECHNIQUE FOR HEMT STRUCTURES USING MICRO PROBES	BRONZE	RESEARCH INSTITUTE
R&I049	TELECOMMUNICATIONS	TELEKOM RESEARCH & DEVELOPMENT SDN BHD	SHAHRUL HILMI IBRAHIM, NORMAN JAMLUS	SOLUTION OF STAR OPTICAL ACCESS NETWORK	BRONZE	RESEARCH INSTITUTE
TH003	EDUCATIONAL ITEMS	KOLEJ UNIVERSITI TEKNOLOGI TUN HUSSEIN ONN (KUITTHO)	HJ MOHD SALLEH BIN TAHAR, KHAIRUL FAHMI BIN HJ ALI, PROF. DR. JAILANI BIN MD YUNOS	AUTOMOTIVE AIR- CONDITIONING SIMULATOR MACHINE (EDUCATION ENGINEERING).	BRONZE	UNIVERSITY
UiTM001	EDUCATIONAL ITEMS	UNIVERSITI TEKNOLOGI MARA (UiTM)	FOO KIEN KHENG, LEONG SIOW HOO, LAU UNG HUA	STESTMAP -- ROADMAP TO STATISTICAL TESTS	BRONZE	UNIVERSITY
UiTM012	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI TEKNOLOGI MARA (UiTM)	PROF. DR. KU HALIM BIN KU HAMID, MOHIBAH BIN MUSA	OIL SPILL COAGULANT FROM WASTE	BRONZE	UNIVERSITY
UiTM013	HOUSEHOLD ITEMS	UNIVERSITI TEKNOLOGI MARA (UiTM)	PROF. DR. KU HALIM BIN KU HAMID, SHARUDDIN BIN ISMAIL	KSWIN: OIL AND GREASE INTERCEPTOR	BRONZE	UNIVERSITY
UiTM016	AEROSPACE & AVIATION	UNIVERSITI TEKNOLOGI MARA (UiTM)	WAN MAZLINA WAN MOHAMED, DR RAHIM ATAN, JUNAIDAH RAHMAD, ZAHARIN BIN ABU BAKAR, AHMAD FIRDAUS BIN ZAWAWIL, MOHD IZMIR BIN YAMIN, MOHD NIZAR ZAINALDIN	ENVIRONMENTAL FRIENDLY LOW COST LIQUID PROPELLANT ROCKET	BRONZE	UNIVERSITY
UiTM019	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI TEKNOLOGI MARA (UiTM)	AHMAD MALIKI BIN OMAR, MUHAMAD RIZUWAN BIN YAHIR @ YAHAYA, SULAIMAN BIN SHAARI, MOHD FARID BIN MOHD HATTA, ABDUL RAHMAN BIN OMAR	TWO-AXES SOLAR PHOTOVOLTAIC TRACKING SYSTEM: SOLT2A	BRONZE	UNIVERSITY
UiTM021	INDUSTRIAL EQUIPMENT	UNIVERSITI TEKNOLOGI MARA (UiTM)	ASSOCIATE PROFESSOR DR AZEMI SAMSURI, CHE MOHAMAD SOM SAID	C1-STRESS RELAXATION MACHINE - MODEL SR 1	BRONZE	UNIVERSITY
UiTM023	AGRICULTURE	UNIVERSITI TEKNOLOGI MARA (UiTM)	NORHIDAYAH ABDULLAH, SUHANA JAMALUDDIN, MOHD FIRWANMOHAMAD @ PIEE, WAN NOR LIDA WAN ABDUL RAHMAN, SAIDATUL AFZAN ABDUL AZIZ, ZURINAWATI MOHYINORFEZAH MD NOR	LANSIUM DOMESTICUM CORR JAM	BRONZE	UNIVERSITY
UiTM025	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITI TEKNOLOGI MARA (UiTM)	ASSOC. PROF. DR. ANUAR SUUN, NAGOOR MEERA ABDULLAH, SUHANA AIMAN	STRETCHING ROUTINE FOR THE OFFICE WORKERS	BRONZE	UNIVERSITY
UiTM026	AGRICULTURE	UNIVERSITI TEKNOLOGI MARA (UiTM)	AZUANA RASHID, ERMAYANTI JAINI, MARLINA MARLAN, CHEMAH TAMBY CHIK, NORFEZAH MD NOR, SURIA SULAIMAN	PAPAYA LEATHER	BRONZE	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
UiTM029	EDUCATIONAL ITEMS	UNIVERSITI TEKNOLOGI MARA (UiTM)	PROF. DR. ZAINAB ABU BAKAR, NORMALY KAMAL ISMAIL, PROF MADYA NURAZZAH ABDUL RAHMAN	EVALUATING THE EFFECTIVENESS OF CLUSTERING TECHNIQUES IN RETRIEVING MALAY HADITH	BRONZE	UNIVERSITY
UiTM032	INDUSTRIAL EQUIPMENT	UNIVERSITI TEKNOLOGI MARA (UiTM)	MOHD HEZRI BIN FAZALUL RAHIMAN, NAZMY BIN MAHADZIR	ITS - ONLINE MONITORING FOR SOLID FLOW IN PIPELINE SYSTEM	BRONZE	UNIVERSITY
UKL002	AGRICULTURE	UNIVERSITI KUALA LUMPUR (UKL)	MUHAMAD YUSUF HASAN, MOHD ZAHID ABIDIN, AZRIN ABDUL RAHMAN	FERMENTED GRASS FOLIAR FERTILIZER	BRONZE	UNIVERSITY
UKM002	MATERIALS	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	RUSLI DAIK, NIK GHAZALI NIK SALLEH, NIK ROHAIDA WAN DAUD	WATER REPELLENT POLYMER FOR FABRIC COATING	BRONZE	UNIVERSITY
UKM011	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	KAMARUZZAMAN SOPIAN, GHEZAIEL AMOR, CHALGHOUMI BRAHIM	SOLAR POWER AUTOFEEDER FOR THE FISH FARMS	BRONZE	UNIVERSITY
UKM015	AUTOMOTIVE	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	MOHD JAILANI BIN MOHD NOR, MOHD HANIF MD SAAD, ROZMI ISMAIL	INTELLIGENT STEERING SYSTEM FOR PASSENGER VEHICLES	BRONZE	UNIVERSITY
UKM019	EDUCATIONAL ITEMS	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	DR. MOHD. ARIP BIN KASMO	THE APPRECIATION OF SCIENCE IN THE QURAN (ASIQ) MODULE FOR TEACHING RELIGION AND SCIENCE	BRONZE	UNIVERSITY
UKM023	EDUCATIONAL ITEMS	UNIVERSITI KEBANGSAAN MALAYSIA (UKM)	PROF. MADYA DR. RUZY SULIZA HASHIM, DR. GANAKUMARAN SUBRAMANIAM, NACKEERAN SIVAPUNNIAM	TECHNO-EDUCATIONAL PATHWAYS TO THE STUDY OF LITERATURE	BRONZE	UNIVERSITY
UM003	EDUCATIONAL ITEMS	UNIVERSITY OF MALAYA (UM)	ASSOC. PROF. DR. NORAINI IDRIS, CHEW CHENG MENG, NORJOHARUDEEN	PHASE-BASED MANIPULATIVE AND GEOMETER'S SKETCHPAD INSTRUCTIONAL ACTIVITIES	BRONZE	UNIVERSITY
UM005	BUILDING AND CONSTRUCTION	UNIVERSITY OF MALAYA (UM)	IR. DR. ROSLAN HASHIM, IR. ABUBAKAR ALWI	PT-CEMENT COLUMN	BRONZE	UNIVERSITY
UM015	AUTOMOTIVE	UNIVERSITY OF MALAYA (UM)	ASSOC. PROF. DR. NASRUDIN ABDUL RAHIM, ASSOC. PROF. DR. HEW WOOI PING, MUHAMMAD TAJUDDIN AMIN, SYAHRIZA	DESIGN OF IN-WHEELHIGH POWER DENSITY AXIAL FLUX PERMANENT MAGNET BRUSHLESS DC MOTOR FOR DIRECT DRIVE OF ELECTRIC VEHICLE	BRONZE	UNIVERSITY
UM019	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY OF MALAYA (UM)	PROF. MADYA DR KIM KAH HWI, PROF. DR. CHEAH SWEE HUNG, DATIN PROFESSOR DR. SRI NURESTRI ADBUL MALEK, DATO' PROFESSOR DR. HASHIM YAAKOB	PIPER TEA FOR HYPERTENSION	BRONZE	UNIVERSITY
UM020	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY OF MALAYA (UM)	SAMEEM ABDUL KAREEM, ROSMA MOHD DOM	FUZZY NEURAL NETWORK ORAL CANCER PROGNOSTICATOR MODEL	BRONZE	UNIVERSITY
UPM001	BUILDING AND CONSTRUCTION	UNIVERSITY PUTRA MALAYSIA (UPM)	AZLAN ABDUL AZIZ, HUSAINI OMAR, K. A. ANG	A LONG TERM TRIAXIAL FILTRATION TEST SYSTEM	BRONZE	UNIVERSITY
UPM004	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITY PUTRA MALAYSIA (UPM)	NOR AZAH YUSOF, AZIZUL ISHA, MAZURA ABDUL MALIK	APPLICATION OF ANN TO SIMULTANEOUS DETERMINATION OF TOXIC METALS	BRONZE	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
UPM010	AGRICULTURE	UNIVERSITY PUTRA MALAYSIA (UPM)	PROF. MADYA. DR. RITA MUHAMAD, PROF. DR. DZOLKHIFLI OMAR, MEKASHA CHICHAYBELU WESSNE	DISINFESTATION OF AGRICULTURE STORED PRODUCT INSECT PEST USING SOLAR BOX HEATER	BRONZE	UNIVERSITY
UPM013	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITY PUTRA MALAYSIA (UPM)	ASSOC. PROF. DR. NOOR AKMA IBRAHIM, ASSOC. PROF. DR. ISA DAUD, ASSOC. PROF. DR. MOHD. RIZAM ABU BAKAR, AKHMAD FAUZY	BPMTYPE IIC	BRONZE	UNIVERSITY
UPM014	AGRICULTURE	UNIVERSITY PUTRA MALAYSIA (UPM)	AZIZAH OSMAN, MUHAMMAD TAUFIQ RATULE, NAZAMID SAARI, SITI HAJAR AHMAD	INDICATORS OF CHILLING INJURY IN PISANG BERANGAN	BRONZE	UNIVERSITY
UPM026	AGRICULTURE	UNIVERSITY PUTRA MALAYSIA (UPM)	PROF DR YAAKOB CHE MAN, SYAHARIZA ZAINUL ABIDIN, WANNA AMMAWATH, PROF DR JINAP SELAMAT, PROF DR RUSSLY ABD RAHMAN, PROF DR JAMILAH BAKAR, ASSOC PROF BADLISHAH SHAM BAHARIN	POTENTIAL USE OF FTIR SPECTROSCOPY FOR QUALITY CONTROL AND HALAL AUTHENTICATION	BRONZE	UNIVERSITY
UPM028	AGRICULTURE	UNIVERSITY PUTRA MALAYSIA (UPM)	ASSOC. PROF. DR. HABSHAH MIDI, MARINA ZAHARI	3R SOFTWARE FOR EFFICIENT PREDICTION	BRONZE	UNIVERSITY
UPM034	BIOTECHNOLOGY, HEALTH & FITNESS	UNIVERSITY PUTRA MALAYSIA (UPM)	MOHD YAZID MANAP, SHUHAIMI MUSTAFA, BARKA MOHAMMED KABIER	FERMENTED RICE PORRIDGE AND ITS FUNCTIONAL PROPERTIES	BRONZE	UNIVERSITY
UPSI001	EDUCATIONAL ITEMS	UNIVERSITI PENDIDIKAN SULTAN IDRIS (UPSI)	CHE SOH BIN SAID, DR. SHAKINAZ BINTE DESA, SOBREE CHEHA	IVEVAC: INTERACTIVE 3D VIRTUAL ENVIRONMENT FOR VISUALIZATION ANIMAL CELLS	BRONZE	UNIVERSITY
USM008	INDUSTRIAL CHEMICALS	UNIVERSITI SAINS MALAYSIA (USM)	PROFESSOR DR. WAN ROSLI WAN DAUD, ASSOC. PROF. DR. ZARITA ZAINUDDIN, ROSEFARAHIYAN BT MUNAWAR	PALMCEL - A NATURAL BIOPOLYMERIC PAPER STRENGTH REINFORCING AGENT	BRONZE	UNIVERSITY
USM012	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI SAINS MALAYSIA (USM)	LEE KEAT TEONG, ABDUL RAHMAN MOHAMED, AZLINA HARUN@KAMARUDDIN, IRVAN DAHLAN, NOR FATIHA ZAINUDIN	A NOVEL TECH. FOR THE PRODUCTION OF FERTILIZER FROM OIL PALM ASH: ZERO WASTE	BRONZE	UNIVERSITY
USM013	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI SAINS MALAYSIA (USM)	DR. SYAMSUL RIZAL ABD SHUKOR, ASSOCIATE PROFESSOR ABDUL LATIF AHMAD, DR. LEE KEAT TEONG, OH PEI CHING, KELLY YONG TAU LEN	ECONOMICAL ROUTE TO PRODUCE HYDROGEN ENERGY FROM WASTE MATERIALS	BRONZE	UNIVERSITY
USM021	BUILDING AND CONSTRUCTION	UNIVERSITI SAINS MALAYSIA (USM)	ASSOC. PROF. DR FAUZIAH AHMAD, PROF. DR. SABARUDIN MOHD, ASSOC. PROF. DR. ABDUL KHALIL SHAWKATALY, AHMAD HALMI GHAZALI, DZIAUDDIN ZAINOL ABIDIN DZAUDDIN AHMAD	BIO-GEOMATT FOR EROSION CONTROL AND SLOPE PROTECTION	BRONZE	UNIVERSITY

Ref	Category	Organisation	Inventors	Invention	Award	
UTN007	BUILDING AND CONSTRUCTION	UNIVERSITI TENAGA NASIONAL (UTN)	KOUSAY ABDUL AZIZ ALI, MONASHUHAILA BTE MOHAMAD, ABDUL MONAYEM AKHAND, WONG KOH YIN, CHEH PAK WEI	USE OF AGRICULTURAL AND INDUSTRIAL WASTE IN THE DEVELOPMENT OF CONCRETE MATERIAL	BRONZE	UNIVERSITY
UTN008	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI TENAGA NASIONAL (UTN)	ROHAYU BINTI CHE OMAR, NURUL EILMY BTE. ZAINUDDIN, NUR RASHIDAH BINTI MUHAMAD SUKOR	SOIL CONTAMINATION MODELING FOR ASSESSING ENVIRONMENTAL HEALTH SAFETY	BRONZE	UNIVERSITY
UTP002	BUILDING AND CONSTRUCTION	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	ASSOCIATE PROFESSOR DR NASIR SHAFIQ, ASSOCIATE PROFESSOR IR DR MUHD FADHIL NURUDDIN	EFFECTS OF USED ENGINE OIL ON PROPERTIES OF FRESH AND HARDEN CONCRETE	BRONZE	UNIVERSITY
UTP004	MULTIMEDIA	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	YONG SUET PENG, ANNA CHAN FOONG YEE	KITCHEN HELPER SYSTEM WITH VOICE RECOGNITION	BRONZE	UNIVERSITY
UTP006	ENVIRONMENTAL & RENEWABLE ENERGY	UNIVERSITI TEKNOLOGI PETRONAS (UTP)	MOHD ZAMRI ABDULLAH, KHAIRUNKHALIDA SAABAN, AHMAD FARHAN HASBI, MOHAMMED REDZA ABDUL RAZAK, NASEEM AHMED QURESHI, MARLIAYANA MUHAMED, HAWA ABDUL RAHMAN	PAXFIL: WATER TREATMENT SYSTEM USING NATURAL PRODUCT	BRONZE	UNIVERSITY