

Full Result

Virtual Research and Innovation Exhibition UniMAP (EREKA) 2022



NO.	LIST OF PARTICIPANTS	IPT	NAME OF INVENTION / INNOVATION PRODUCT	CLUSTERS	MEDAL	SPECIAL AWARD
1	DR MOHAMAD RAHIMI MOHAMAD ROSMAN, NIK NUR IZZATI NIK ROSLI, NOOR AZREEN ALIMIN, NOOR MASLIANA RAZLAN, AMIRA IDAYU MOHD SHUKRY	UITM	CITEGURU	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	GOLD	BEST AWARD 2ND PLACE
2	MOHAMAD AIMAN BIN AHMAD FAUZI MOHD ERPI MOHD ALI AMEER FUHAILI MOHAMAD HASHIM MOHD KASTURI NOR ABD AZIZ AHMAD FAHMI MAHAMOOD TENGKU KASTRIAFUDDIN ZURAIID MOKHDZAR	UniMAP	PEMBANGUNAN VIDEO HOLOGRAM DALAM MENVISUALKAN GAMBARAN KEDUDUKAN KOTA INDERA KAYANGAN YANG HILANG.	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
3	ASSOC. PROF. DR. HUZILI BIN HUSSIN, ADILA BINTI ISMAIL, DR. YASMIN AHMAD, DR. MOHAMMAD REZAL HAMZAH	UniMAP	MODUL ACE-MIND (MODUL COPING SKILLS MENGGUNAKAN PENDEKATAN CBT TERHADAP MURID SEKOLAH RENDAH DI KAWASAN BERISIKO NEGERI PERLIS)	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	GOLD	SPECIAL CATEGORY AWARD FOR SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION
4	TS.MOHD HAIDIEZUL JAMAL BIN AB HADI TS.MOHAMAD SUHAIMI SHAHRIN IR.TS.WAN MOHD FAIZAL BIN WAN ABD RAHIM TS.HAZWAN HANID EN.MUHAMMAD NUR MISBAH DR.MASNIEZAM AHMAD TS.DR ABDUL SYAFIQ ABDULL SUKOR EN.HAZRIN JAHIDI	UniMAP	CONCEPTUAL MODEL OF TEACHING AND LEARNING FOR TVET TERTIARY LEVEL EDUCATION USING HEAD MOUNTED DISPLAY IN VIRTUAL REALITY ENVIRONMENT AS ALTERNATIVE TEACHING AND LEARNING DELIVERY TOOLS.	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
5	DR. KHAIROL ANUAR KAMRI, PROF. DR. MANSOR MOHD NOOR, AIZATHUL HANI ABD HAMID	UTHM	CERI-ET	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	GOLD	
6	HANIM HAMDAN, ASSOC. PROF. DR. UMMI NAIEMAH SARAIH, EVAWAYNIE VALQUIS MD.ISA, WONG I-RENE	UniMAP	BIODEGRADABLE BIN	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
7	TENGKU KASTRIAFUDDIN SHAH TENGKU YAAKOB, NUR IFATIN SYAFIQAH ROSLIS, AMEER FUHAILI MOHAMAD HASHIM, AHMAD FAHMI MAHAMOOD, PROF MADYA DR SHUHAIRIMI, MOHD ERPI ALI	UniMAP	FUNFIT - MOBILE APPLICATION FOR PHYSICAL ACTIVITY AND HEALTHY EATING FOR OBESE CHILDREN.	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
8	DR JUNAINOR HASSAN, DR NURHIDAYAH MARZUKI@YAHAYA, MS. SITI BALKIS MKM MOHAMED IBRAHIM	UniMAP	ONLINE VIDEO THERAPY (ISLAMIC THERAPEUTIC CHARACTERISTICS) IN MANAGING NEGATIVE EMOTIONS	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	BRONZE	
9	TENGKU KASTRIAFUDDIN SHAH TENGKU YAAKOB, MOHAMMAD AMZAR ZULKIFLI, AMEER FUHAILI MOHAMAD HASHIM, PROF MADYA SHUHAIRIMI ABDULLAH, ZURAIID AHMAD MOKHDZAR, DR ARSAD JOHANIS, JAMSARI JAMALUDDIN	UniMAP	I-C2U - INFORMAL CAREGIVER SEARCH APPLICATION FOR SENIOR CITIZENS AND CHRONICALLY ILL PATIENTS	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
10	TS. DR. MARDAWANI MOHAMAD, DR. NOOR FAZLIANI SHOPARWE, DR. WAN HASNIDAH WAN OSMAN, DR. ROSMAWANI MOHAMMAD, TS. DR. TEO PAO TER, ASSOC. PROF. DR. MOHAMAD NAJMI MASRI	UMK	MAR-PROD: PROJECT-BASED LEARNING APPROACH VIA INNOVATIVE PROJECT DESIGN	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
11	DR ROSLIZAWATI CHE AZIZ, DR NIK ALIF AMRI NIK HASHIM, YM RAJA NORLIANA RAJA OMAR, EN MOHAMMAD FIRDAUS BIDIN, CIK ZAIMATUL AWANG & EN ABDULLAH MOHAMED YUSOF	UMK	MY ESCAPEDE	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
12	DR. NURUL HAFIZAH MOHD YASIN, DR. NUR NADDIA NORDIN, NUR DALILA MAT YUSOFF, NURUL FARDILA ABD RAZAK, FADHILAHANIM ARYANI ABDULLAH, DR. NUR HAIZA NORDIN, NIK NOORHAZILA NIK MUD, SITI ZAMANIRA MAT ZAIB.	UMK	FOOD PANTRY GUIDELINE: FUND FOR FOOD TO HELP FIGHT HUNGER ON CAMPUS	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	GOLD	

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13	I. DR. SUHALA ABDUL KADIR, PROF DR RAJA SUZANA RAJA KASIM, SITI ZALEHA NORAINI HUSSIN	UMK	TVET@HUFFAZ KELANTAN	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	GOLD	
14	TS. DR. HANIDA BINTI ABDUL AZIZ, NURAINI WAHIDAH BINTI RUSLI, NAZ EDAYU BINTI MAT NAWI	UMP	SAFETY HELMET COMPLIANCE & WORKERS TRACKING (QRMET.)	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
15	DR. NOR HAFIZAN BINTI HABIB SULTAN, DR. AIDA SHAKILA BINTI ISHAK, DR. NURUL NAIMAH ROSE, CIK NUR FARHINAA OTHMAN	UniMAP	USAHAWAN WANITA MELAYU: MANFAAT DAN CABARAN DALAM SEKTOR PERNIAGAAN	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	BRONZE	
16	NOR HAMIZAH BINTI ABDUL HAMID, DR. MUHAMAD EZRAN BIN ZAINAL ABDULLAH, LAR. TS. DR. RAMLY BIN HASAN, NURUL IZZATI BINTI OTHMANI, SYAHIDAH AMNI BINTI MOHAMED	UMK	GAME ON! GAMIFICATION ON VIRTUAL SERIAL VISION PROJECT THROUGH VIRTUAL NAVIGATION TOOL IN AN URBAN DESIGN	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
17	MOHD ERPI MOHD ALI, NUR HUMAIRA SHAZWIN BT SHAMSUDIN, AMEER FUHAILI MOHAMAD HASHIM, MOHD KASTURI NOR ABD AZIZ, AIDA SHAKILA ISHAK, NURUL NAIMAH ROSE, ABDUL RAHMAN ABDUL MANAF, MUZIUM KOTA KAYANG	UniMAP	IMMERSIVE AND INTERACTIVE 360-DEGREE VIRTUAL TOUR OF THE KOTA KAYANG MUSEUM	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
18	DR. AMIR NAZREN MUHAMMAD SYAKIR SHAFIE TS. DR. ISZAIDY ISMAIL TS. DR. MOHD ILMAN JAIS TS. DR. MOHAMED NASRUN OSMAN TS. DR. MOHD WAFI NASRUDIN	UniMAP	MANAGEMENT SYSTEM FOR SCHOOL STUDENTS' ATTENDANCE DURING COVID-19 PANDEMIC WITH IOT BASED	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	GOLD	
19	DR. MUHAJIR BIN AB RAHIM, FARIDAH BINTI HASSAN	UniMAP	INMOSD (INTEGRATIVE MODEL OF SPIRITUAL DEVELOPMENT FOR ENGINEERING STUDENTS)	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
20	DR MOHAN RATHAKRISHNAN, STEPHANIE A/P LAWRENCE, UN HOCK HAOU, MAT NOR MOHAMAD BIN ISMAIL, PM. DR. ARUMUGAM RAMAN,, PM DR. SITI NOOR BINTI ISMAIL	UUM	LLANO-HIS	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
21	DR MARLIA BINTI MORSIN, MADAM ZARINA BINTI TUKIRAN, MADAM MUNIRAH BINTI AB RAHMAN, DR HERDAWATIE BINTI ABDUL KADIR	UTHM	SAINS, KEMAHIRAN DAN TEKNOLOGI DALAM ISLAM (SAKTI)	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	GOLD	BEST CATEGORY AWARD FOR SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION
22	TS. ROKIAH BINTI ABDULLAH, MUHAMMAD HUSSEIN BIN MOHIDEEN GHANI, TS. ZULKAPLI BIN ABDULLAH, FARAH NAZLIA BINTI CHE KASSIM, MOHAMMAD NAZRI BIN MD NOOR.	UniMAP	AUTOMATIC SCHOOL RINGER SYSTEM	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
23	EIO CHAI NI & DR. YASMIN AHMAD	UniMAP	CULTURAL ADAPTATION AMONG INTERNATIONAL STUDENT: THE ROLE OF SOCIAL MEDIA	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	BRONZE	
24	PUAN SITI NURATIRAH BINTI CHE MOHD NASIR, ENCIK MOHAMMED FADZLI BIN MAHARIMI, GEE PEI FEN, PUAN NOORUL HUDA BINTI MOHD RAZALI & CIK SALMIAH BINTI AZIZ	UMK	HUMANOID	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	BRONZE	

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25	1. NUR SURIATY DAUD FITRI @ FIHRI, 2. ASSOC. PROF DR SHUHAIRIMI ABDULLAH, 3. DR YASMIN AHMAD, 4. TENGKU KASTRIAFUDDIN SHAH TENGKU YAAKOB, 5. AMEER FUHALI MOHAMAD HASHIM, 6. NOOR SALWANI HUSSIN, 7. JAMSARI JAMALUDDIN.	UniMAP	SOCIAL ENTREPRENEURSHIP TOWARDS ENVIRONMENTAL SUSTAINABILITY	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	GOLD	
26	SITI HAJAR BINTI MOHAMAD ASHRI, DR. NOORAZEELA ZAINOL ABIDIN, HAFIZAH BINTI ABDUL RAHIM	UniMAP	SMART MULTI HOE	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
27	NUR NABILAH BINTI OSMAN, DR. NOORAZEELA BINTI ZAINOL ABIDIN HAFIZAH ABDUL BINTI RAHIM	UniMAP	MINI PURIFIER CLEANER	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
28	NORDIANA BINTI SHARIFFUDIN MUHAMMAD HAZIM BIN OMAR KHAIRUL FAZIZUL BIN MAT DRIS TS.DR.SITI NURUL AQMARIAH BINTI MOHD KANAFIAH TS.ISMAIL ISHAQ BIN IBRAHIM	UniMAP	SMART BADMINTON SCORING SYSTEM FOR EDUCATIONAL PURPOSE	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
29	DR. AIDA SHAKILA BINTI ISHAK, DR NOR HAFIZAN BINTI HABIB SULTAN, EN. MOHD ERPI MOHD ALI, DR. NURUL NAIMAH BINTI ROSE, CIK. NUR FARHIINAA BINTI OTHMAN	UniMAP	ROSENBERG SELF ESTEEM SCALE(RSES) BAGI MENGUKUR TAHAP ESTIM KENDIRI REMAJA YANG BERISIKO MENYALAHGUNAKAN DADAH	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
30	DR. MUHAMMAD AMMAR BIN SHAFI, ASSOC. PROF. DR. MOHD SAIFULLAH BIN RUSIMAN, ASSOC. PROF. DR. NOR HAZANA BINTI ABDULLAH, MADAM ANIM ZALINA BINTI AZIZAN & DR. NURAZWA BINTI AHMAD	UTHM	FUZZY STATISTICAL APPROACH: PREDICTIVE BUSINESS ANALYTICS AS A GAME CHANGER FOR SMALL AND MEDIUM ENTERPRISES (SMES)	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
31	MS. NAJUWA BINTI MOHD NASIR DR. YONG SALMAH BINTI NASIR TS. DR. HJ ABDUL GHAFUR HANAFI DR. INTAN MAIZURA BINTI ABDUL RASHID DR. ALIANA SHAZMA AMIR BINTI AMIR DR. SHAFAWATY BINTI MOHAMAD SHABRI	UniMAP	HOLO23	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
32	DR. SURAIYA IBRAHIM, TS. BADRUL AZMI ABDUL HOLED,MR. MUHAMMAD ALAMIN KAMAZAHRUMAN, DR. WAN SALLHA YUSOFF & PM TS DR. NORSHAHRIZAN NORDIN	UniMAP	PORTABLE SQUASH BALL SHOOTER & TRAINER FOR BEGINNER	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	GOLD	
33	ADJ PROF IR DR MUHAMMAD ARKAM BINTI CHE MUNAAIM SITI NURHASHIMA BINTI MOHD ISA MOHD SALIHIN BIN ISHAK NUR ALIAFARINA BINTI MOHD ZAKI NUR ZAHAFARINA BINTI MOHD ZAKI AZRINA ALIYA BINTI AZHAR ROSMALINNA EFFARINI MALEK	UniMAP	LEARNING MANAGEMENT SYSTEM	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
34	DR. DAENG HALIZA BINTI DAENG JAMAL, DR. NORAZLINDA MOHAMED ROSDI, AP. TS. DR. TAN TSE GUAN, MR. FAIRULADILAN HAMADUN, MDM HAZRINA HASBOLAH	UMK	DISCOVERING MUSEUMS IN KOTA BHARU, KELANTAN: A VIRTUAL HERITAGE TOURS THROUGH AUGMENTED REALITY (AR)	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
35	DR. ALIANA SHAZMA AMIR BINTI AMIR PN. NAJUWA BINTI MOHD NASIR DR. SHAFAWATY MOHAMAD SHABRI PN. SITI NOR JUNITA BINTI MOHD RADZI CHE MUHAMMAD QUAYYUM BIN CHE DIN	UniMAP	AL-ZAMDA RELAXING PILLOW	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	SILVER	
36	TS. DR. WAN NOR MUNIRAH ARIFFIN, TS. MUHAMAD HAFIZ MASRAN, YM PROF. DR. RAJA SUZANA RAJA KASIM, DR. NOR AZRITA MOHD AMIN	UniMAP	MATCHED- CLEAR OFF OVERSTOCK INVENTORY, MATCH LESS POPULAR PRODUCTS WITH MORE POPULAR ONES.	SOCIAL SCIENCE, BUSINESS & TEACHING INNOVATION	GOLD	

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37	ASSOC PROF DR ROZMIE RAZIF OTHMAN, PROF DR SALLEH ABD RASHID, DR LIM BEE YING, MDM NUR IZZATI MOHD NOH, AZUAN OTHMAN, MOHD HAFIZI HASAN, NURUL FAMIZA AZALI, ASSOC PROF DR SHAHRUL NIZAM YAAKOB	UniMAP	E-CBTM ASSESSMENT SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
38	TS.NORHANISA BINTI KIMPOL, NORDIANA BINTI SHARIFFUDIN, CLEMENT CHIA GUANG CHUNG, HABIBAH BINTI HJ MOKHTARUDDIN, TS. DIYYA HIDAYAH BINTI ABDUL RAHMAN, TS. JUNAIDAH BINTI ALI JOBRAN, JIMIRAFIZI BIN JAMIL, NOOR SHAZLIZA BINTI ZAKARIA	UniMAP	WATER LEVEL INDICATOR USING ANDROID & ULTRASONIC SENSOR	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
39	TS. SABRI BIN AHMAD HISHAM, EN. AMIR AZHAR BIN BAHARUDDIN	UMP	AUTOTREKK	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
40	SR. DR. NORSYAKILAH ROMELI, DR. NUR SOLEHA ABDUL RAHIM, TS. DR. NURFADZILLAH ISHAK	UniMAP	BUILDING INFORMATION MODELLING QUANTIFICATION (B-QUAN) FOR COMPLICATED ROOF DESIGN REMEASUREMENT WORKS	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
41	PUAN NOOR SHAZLIZA BINTI ZAKARIA, NIK NURAINA FADHILAH BINTI NIK MUHAMMAD NASIR, TS. NORHANISA BINTI KIMPOL, PUAN DIYYA HIDAYAH BINTI ABDUL RAHMAN, EN. MOHD WAFIUDDIN BIN YAHYA	UniMAP	FABRICAF-VARNING (IOT BASED FACTORY ALERT SYSTEM FOR NOISE POLLUTION)	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
42	TS. DR. HOH WEI SIANG, FOO JING WEN, DR. ABDULLAH NASSER MOHAMMED ABDULLAH	UMP	BUDGET MANAGEMENT SHOPPING SYSTEM APPLICATION (BMSSA)	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
43	DR. HOH WEI SIANG (SUPERVISOR), HONG SHI XUAN (1/4 STUDENT)	UMP	PARENTS-TEACHERS APPLICATION (PTA)	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
44	TS. NURHAFIZA BT AZIZAN, MUHAMMAD FIKRI BIIN MUHAMAD ASHRI, IR. TS. DR AHMAD ZAIDI BIN ABDULLAH, TS. NORHANISA BT KIMPOL, DIYYA HIDAYAH BT ABD RAHMAN, HABIBAH BT HJ MOKHTARUDDIN, BASEEMAH BT MAT JALALUDDIN, TS. JUNAIDAH BT ALI MOHD JOBRAN	UniMAP	IOT BASED DOOR SECURITY ALARM USING BLYNK	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
45	TS. NORHANISA BINTI KIMPOL, DANIAL BIN HARIS, MOHAMED SOFI BIN JAMALUDDIN, TS. DIYYA HIDAYAH BINTI ABDUL RAHMAN, TS. NURHAFIZA BINTI AZIZAN, TS. AHMAD MUHYIDDIN BIN YUSOF, MUHAMMAD ZAID BIN AIHSAN	UniMAP	IMPLEMINTATION OF SMARTPHONE CHARGING SYSTEM USING RFID	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
46	IR. TS. ROSDISHAM B. ENDUT, PROF. IR. DR. SYED ALWEE ALJUNID B. SYED JUNID, IR. DR. NORSHAMSURI B. ALI@HASIM, PROF. IR. DR. ANUAR B. MAT SAFAR, PM. IR. TS. DR. MOHD RASHIDI B. CHE BESON, IR. TS. DR. JUNITA BT. MOHD NORDIN, DR. NORIZAN BT. MOHAMED NAWAWI, MOHD SHAFIQ AMIRUL B. SABRI	UniMAP	RAPID ASSESSMENT OF WATER QUALITY IN MARINE AND FRESHWATER AQUACULTURE	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
47	TS. DR. ZUL-ATFI ISMAIL TS. SK MUIZ SK ABD RAZAK	UniMAP	DIAGNOSIS OF DETERIORATING ASSET BASED BIM DATA ANALYSIS (DIDABIM)	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
48	AMIRUL IQBAL ISMON, AHMAD NAZRIN ASMADE, KUAN YEW SUAN, NAVINKUMAR A/L MALAISAMY, TS. DR. MOHAMED NASRUN OSMAN, DR. AMER NAZREN ABD RAHIM, DYIA SYALEYANA MD SHUKRI	UniMAP	VISION-BASED DETECTION METHOD WATER SURFACE PLASTIC GARBAGE CAPTURE ROBOT	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	

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49	TS. NURHAFIZA BT AZIZAN, LIM CHONG CHENG, IR. TS. DR AHMAD ZAIDI BIN ABDULLAH, TS. NORHANISA BT KIMPOL, DIYYA HIDAYAH BT ABD RAHMAN, HABIBAH BT HJ MOKHTARUDDIN, TS. JUNAIDAH BT ALI MOHD JOBRAN, BASEEMAH BT MAT JALALUDDIN	UniMAP	SECURITY SYSTEM AND ACCESS CONTROL WITH ARDUINO AND RFID	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
50	FATHIN NATASYA ERYNA BT SUZALFA TS. NORLIDA BT ABU BAKAR TS. FARADILLA BT AZIZ TS. AFZAN BT KAMARUDDIN TS. WAN AZLIANAWATI BT WAN AZIZ	UniMAP	RFID SMART PARKING SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
51	ASSOC. PROF. IR. DR. SOHIFUL ANUAR ZAINOL MURAD, BALDWIN RAJ JOHN, TS. DR. FAIZAH ABU BAKAR, ANISHAZEILA AZIZAN, AHMAD FARIZ HASAN, JASMAN KAMMIN	UniMAP	IOT BASED SMART FLASH FLOOD MONITORING & CONTROLLING SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
52	TS. HAIRUNNISA BINTI OSMAN, TS. DR. HANIDA BINTI ABDUL AZIZ, NUR IZZATI PAKHOR BINTI ANUAR	UMP	PROCESS SAFETY KNOWLEDGE EXPERT (PSKE) SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
53	MOHD WAFIUDDIN BIN YAHYA, TS. MUHAMAD HAFIZ BIN AB AZIZ, ILHAM SHAFINI BINTI AHMAD MAHYUDIN, NOOR SHAZLIZA BINTI ZAKARIA, TS. NORHANIS BINTI KIMPOL, MUHAMMAD NAZARUL MIRZAN BIN AMERUDIN	UniMAP	DESIGN THE BOOST CONVERTER TO STEP UP 12VDC	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	
54	DR. NUR HAZWANI BT MOKHTAR, PROF. MADYA DR. MAISARAH ABU, TS. DR. FAIZ BIN ARITH	UTeM	DESIGN OF AN INTELLIGENT RIVER CLEAN UP ROBOT WITH BLUETOOTH NAVIGATION-ROBOCROC	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
55	IR. DR. NORSHAMSURI HASHIM@ALI PROF. IR. DR. SYED ALWEE ALJUNID SYED JUNID IR. TS. ROSDISHAM ENDUT PROF. MADYA IR. DR. MOHD RASHIDI CHE BESON PROF. IR. DR. ANUAR MAT SAFAR NOR ROSHIDAH YUSOF NORSHAHRIZAL ALI MAT NOR MOHAMMAD ISMAIL	UniMAP	PORTABLE ILLEGAL RADIO BASE STATION ANALYZER	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
56	NURUL LIYANA BINTI ROSLAN, TS. MOHD FIKRI BIN CHE HUSIN, TS. MOHD HAFIZI BIN OMAR, AHMAD FARIZ BIN HASAN	UniMAP	WATER QUALITY MONITORING SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
57	TS. SYED AKHMAL B SYED JAMALIL, ASSOC. PROF. TS. DR. MUZAMIR BIN ISA, IR. TS. DR. AHMAD ZAIDI BIN ABDULLAH, DR. AYOB NAZMI NANYAN, ZUL HASRIZAL BOHARI,	UniMAP	DETACHABLE PCB ROGOWSKI COIL CURRENT SENSOR FOR PARTIAL DISCHARGE MEASUREMENT	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
58	ASSOC PROF. IR. TS. DR. SAIDATUL NORLYANA AZEMI, MR. MOHD SYAHIR AHMAD AZHARI, MR. MOHD ASYRAF BIN ADANAN, ASSOC PROF. TS. DR. AMIZA AMIR, ASSOC PROF. IR. TS. DR. RASHIDI CHE BESON, ASSOC PROF. TS. DR. AZREMI ABDULLAH AL-HADI, ASSOC PROF. TS. DR. SOH PING JACK	UniMAP	E-QUARANTINE: A SMART MONITORING CORONAVIRUS PATIENTS FOR REMOTELY QUARANTINE	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
59	YM. PROF. DR. HJH. RAJA SUZANA RAJA KASIM, DR MOHAMMAD ASHRAFUL MOBIN, ZULAZLI HASHIM, TS. DR. WAN NUR MUNIRAH ARIFFIN, NURUL AFIQAH ZULAZLI, MUHAMMAD ADAM ZULAZLI, MUHAMMAD ADIB ZULAZLI, NURUL ALEISYA ZULAZLI	UMK	ARTIFICIAL INTELLIGENCE SYSTEM AND METHOD FOR SUSTAINABLE SOCIAL ISLAMIC FINANCIAL INCLUSION MODEL AND DATA PREDICTION	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	SPECIAL CATEGORY AWARD FOR DIGITAL TECHNOLOGY, ELECTRONICS & IOT'S
60	YM. PROF. DR. HJH. RAJA SUZANA RAJA KASIM, DR MOHAMMAD ASHRAFUL MOBIN, ZULAZLI HASHIM, DR. HAZRIAH HASAN, NURUL AFIQAH ZULAZLI, MUHAMMAD ADAM ZULAZLI, MUHAMMAD ADIB ZULAZLI, NURUL ALEISYA ZULAZLI	UMK	AI SHARIAH ROBOVISOR FOR SUSTAINABLE ISLAMIC SOCIAL FINANCIAL INCLUSION	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	

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61	HABIBAH BINTI HAJI MOKHTARUDDIN, MUHAMAD DANIEL ASHRAF BIN JASNI, TS.NORHANISA BINTI KIMPOL, TS.DIYYA HIDAYAH BINTI ABDUL RAHMAN, TS.NURHAFIZA BINTI AZIZAN, TS.AHMAD MUHYIDDIN BIN YUSOF, MUHAMMAD ZAID BIN AIHSAN, NOOR SHAZLIZA BINTI ZAKARIA.	UniMAP	DEVELOPMENT OF INTELLIGENT PIGEON HOLE USING IOT	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
62	TS. DR. AHMAD FATEH BIN MOHAMAD NOR, TS. DR. MOHD NOOR BIN ABDULLAH, DR. NUR HANIS BINTI MOHAMMAD RADZI, DR. SITI AMELY BINTI JUMAAT, DR. SURIANA BINTI SALIMIN, TS. MUHAMMAD NAFIS BIN ISMAIL, PUAN ROHAIZA BINTI HAMDAN	UTHM	A GRAPHICAL USER INTERFACE (GUI) PLATFORM FOR PHOTOVOLTAIC STUDY	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
63	ASSOC. PROF. IR. DR. SOHIFUL ANUAR ZAINOL MURAD, BALDWIN RAJ JOHN, TS. DR. FAIZAH ABU BAKAR, ANISHAZEILA AZIZAN, AHMAD FARIZ HASAN, JASMAN KAMMIN	UniMAP	IOT BASED SMART FLASH FLOOD MONITORING & CONTROLLING SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
64	JIVINESH A/L MURUGES, TS. ILHAM SHAFINI BINTI AHMAD MAHYUDIN*, TS. DR. MUHAMMAD NAUFAL BIN MANSOR, TS. DR. WAN AZANI BIN WAN MUSTAFA, MOHD WAFIUDDIN BIN YAHYA	UniMAP	DEVELOPMENT OF WIRELESS TEMPERATURE WITH AUTOMATIC DOOR	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
65	DR SUKHAIRI BIN SUDIN MUHAMMAD MUQRI MUAZAM BIN ZAINAL KOH MING KANG OMAR AHMED SALEM AL KAF AZMIRUL BIN CHE ADLE @ CHE ADLI DR. MUHAMAD KHAIRUL BIN ALI HASSAN TS. DR. FATHINUL SYAHIR BIN AHMAD SAAD DR NURUL SYAHIRAH KHALID	UniMAP	MYTIPS (MYKAD BASED, TEMPERATURE & IDENTIFY PALM SCANNER)	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
66	TS. JUNAIDAH BINTI ALI MOHD JOBRAN, HANSON GLENN NURIN, DR. LIEW HUI FANG, TS. NORHANISA BINTI KIMPOL, PUAN DIYYA HIDAYAH BINTI ABD. RAHMAN, PUAN BASEEMAH BIN MAT JALALUDDIN	UniMAP	ANTI-CORONAVIRUS SMART DOOR USING SOLAR GENERATOR	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
67	DR. NURUL NAJWA BINTI MANSOR, NOOR AISYEEAH BINTI AZMYSHAM, WAN NUR A'TIQAH BINTI WAN DRAMAN	UniMAP	DESIGN AND DEVELOPMENT FOR FOOD OR ITEM OF SMART SANITIZER BOX	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
68	TS. DR. KHAIRUL NAJMY BIN ABDUL RANI, KAVINESH A/L S RADHAKRISHNA, ASSOC. PROF. TS. DR. HASLIZA BINTI A. RAHIM @ SAMSUDDIN, TS. DR. MOHD. AMINUDIN BIN JAMLOS	UniMAP	CHIPLESS RFID TAG FOR TRACKING/IDENTIFICATION	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
69	TS DR MUHAMMAD IZUAN FAHMI BIN ROMLI, TS DR LIEW HUI FANG, MUHAMMAD ABDUL JABBAR BIN ABU BAKAR, MUHAMMAD NUR HAMDANI BIN N.S RAHIM MUDA, HARIZ SYAZWAN BIN HAJI ABDUL AZIZ, MUHAMMAD ZAID BIN AIHSAN, Â€°TS DR MOHD SAIFIZI SAIDON, TS DR LEOW WAI ZHE	UniMAP	A FAST AND STABLE CHARGING SYSTEM USING PI CONTROLLER TECHNIQUE OR ELECTRIC SUPERCAPACITOR SCOOTER	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	BEST CATEGORY AWARD FOR DIGITAL TECHNOLOGY, ELECTRONICS & IOT'S
70	TS. DR. KUMUTHAWATHE ANANDA-RAO, KAMINI A/P SOMESUNTHRIM, IR. TUNKU MUHAMMAD NIZAR TUNKU MANSUR, DR. STEVEN TANISELASS, DR. AFIFAH SHUHADA ROSMI, DR. LEOW WAI ZHE, DR. MUHAMMAD IZUAN FAHMI ROMLI	UniMAP	IOT BASED SMART HOME AUTOMATION AND MONITORING SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
71	DR. MOHD ZULKIFLI MUHAMMAD, MR. ZUL KARAMI CHE MUSA, DR. AHMAD RIDHUWAN ABDULLAH, ASSOC. PROF. DR. AZWAN ABDULLAH, DR. NOORMARIANA MOHD DIN, MR. TS. MAHATHIR MUHAMAD, MDM. FARAH HANAN MUHAMAD.	UMK	PLATFORM E-DAGANG TAPISAN SYARIAH (ETS)	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
72	TS. DR. LIEW HUI FANG; NOOR ADINA BINTI ASROLSANI; TS. DR. MUHAMMAD NAUFAL BIN MANSOR; TS.JUNAIDAH BINTI ALI MOHD JOBRAN; TS. NORHANISA BINTI KIMPOL; TS DR. MUHAMMAD IZUAN FAHMI BIN ROMLI	UniMAP	MONITORING AND CHARGING ELECTRIC POWER WHEELCHAIR BATTERY CONSUMPTION LEVEL VIA INTERNET OF THINGS (IOT)	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	

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NO.	LIST OF PARTICIPANTS	IPT	NAME OF INVENTION / INNOVATION PRODUCT	CLUSTERS	MEDAL	SPECIAL AWARD
73	TS. DR. LIEW HUI FANG; NOOR ADINA BINTI ASROLSANI; TS. DR. MUHAMMAD NAUFAL BIN MANSOR; TS. JUNAIDAH BINTI ALI MOHD JOBRAN; TS. NORHANISA BINTI KIMPOL; TS DR. MUHAMMAD IZUAN FAHMI BIN ROMLI	UniMAP	HYBRID ENERGY STORAGE WIRELESS CHARGING SYSTEM FOR ELECTRIC VEHICLE APPLICATIONS	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
74	MUHAMAD IMRAN BIN ZENOL ABIDIN, DR, MUHAMMAD NAZRIN SHAH BIN SHAHROL AMAN	UniMAP	MOBILE TEMPERATURE DETECTION AND MONITORING DEVICE	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
75	WINEESHA A/P LOGALINGAM, MUHAMMAD IKMAL SAFWAN BIN NASRI, MUHAMMAD AMMAR BIN MOHD NASIR, HONG WEN CHOAN, MUHAMMAD IRFAN BIN ABD RASHID, DR. ABDUL HALIM ISMAIL	UniMAP	GREEN FEEDER: ANIMAL FRIENDLY REVERSE RECYCLING VENDING MACHINE	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
76	QAZREEN SOFEA NOR AZLAN, TS MOHD NORHAFIZ BIN HASHIM, ROSLIN BIN JAMALUDIN, MOHD SALLEHUDIN BIN SAAD	UniMAP	FACEMASK DETECTION SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
77	ROSLIN BIN JAMALUDIN NIK NUR ISMAQISTINA NATASYA BINTI ABDUL HAMID TS MOHD NORHAFIZ BIN HASHIM TS WAN AZLIANAWATI BINTI WAN AZIZ MOHD KHAIRUL BIN MD KAMIL	UniMAP	GESTURE VOCALIZER FOR DEAF AND MUTE PEOPLE	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
78	NORDIANA BINTI SHARIFFUDIN AIDIL FADLIN BIN AHMAD FAIZUL TS. DR. SITI NURUL AQMARIAH BINTI MOHD KANAFIAH MOHD FIRDAUS BIN ISMAIL KHAIRUL FAZIZUL BIN MAT DRIS ZANHASSIDA BINTI MD ISA	UniMAP	BETTA FISH TANK MONITORING SYSTEM USING IOT	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	
79	NUR BATRISYIA BINTI MOHAMAD ZAINAL, TS DR AZNOR HANAH BINTI ABDUL HALIM, TS MOHAMAD RIZAL ABDUL REJAB, TS MOHD FAIRUZ MOHD FADZIL, TS DR ROHANI FAROOK.	UniMAP	PERFORMANCE ANALYSIS ON PACKET SIZE AND PACKET RATE EFFECT AT HIGHWAY AND CITY SCENARIO OF VANET	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	
80	SITI NOR DIANA BINTI ISMAIL, ANIS BINTI ABDUL AZIZ, EMI IZHANIZAM BIN AZMI, TS. MAS ELYNA BINTI MOHD AZOL	UniMAP	IOT BASED SMART WATERING SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	
81	AHMAD IMRAN BIN OTHMAN, HAZILA BINTI OTHMAN, NORLIDA BINTI ABU BAKAR, DAYANG KHADIJAH BINTI HAMDZAH	UniMAP	HOME/HOSTEL WATER FLOW SYSTEM USING IOT	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	
82	MOHD RIDZUAN BIN MOHD NOR, NAJIHAH AFIQAH BINTI NORSHAM, FAKHRUL MUKMIN BIN MANSOR, MOHD FAIRUZ BIN MUHAMAD FADZIL, MOHD SALLEHUDIN BIN SAAD, MOHAMMAD DZAHIR BIN ZAINUN.	UniMAP	SMART DELIVERY ROBOT IN PANDEMIC ENVIRONMENT	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	
83	EN. MOHD RIZAL MANAN, MUHAMMAD HAFIZUDDIN ROSNAZRI, PN. BASEEMAH MAT JALALUDDIN, TS. MUHAMMAD AIZAT ABU BAKAR, EN. MOHD AZRI ABD AZIZ	UniMAP	REAL TIME VISION BASED HAND GESTURE TO TEXT INTERPRETER BY USING ARTIFICIAL INTELLIGENCE WITH AUGMENTED REALITY ELEMENT	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
84	EN. MOHD RIZAL BIN MANAN, NUR IZNI BINTI KHAIRUL ADZNAM, PN. BASEEMAH BINTI MAT JALAUDDIN, EN. BASEEMAH BINTI MAT JALAUDDIN, EN. MOHD NADRIN BIN MOHAMMAD RADZI	UniMAP	BRILLE CODE-TO SPEECH TRANSLATION METHOD USING FORCE SENSITIVE RESISTANCE SENSORS	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	

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85	TS. DR. MUHAMMAD NAUFAL BIN MANSOR MUHAMMAD ADIB BIN RAHMAT MUHAMMAD HAFIZUDDIN BIN ROSNAZRI NURUL FAKHIRAH BINTI ZAMRI	UniMAP	MOTOR VEHICLE ACCIDENT PREVENTION AND SAFETY ASSISTANCE SYSTEM USING IOT APPLICATION	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
86	MR. SUHIZAZ SUDIN DR. RAFIKHA ALIANA A. RAOF CHOONG KAR YAN ONG RHUI JAAN	UniMAP	AGRICULTURAL E-COMMERCE PLATFORM: APPLICATION OF SARIMA MODEL IN VEGETABLE PRICE FORECASTING	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
87	MUHAMMAD SHAHRUL NIZAM BIN JAMIAN, TS. SITI AZURA BINTI ABUZAR, TS. DAYANG KHADIJAH BINTI HAMZAH	UniMAP	DESIGN AND IMPLEMENTATION OF COSTEFFECTIVE DRONE FOR PADDY FIELD WATER CANAL INSPECTION AND CLEANING	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
88	MR. ROEJHAN BIN MD KAWI, MR. RAAGAVENDRA RAO A/L CHANDRA RAO, MR MOHD RIZAL BIN MANAN, TS. MUHAMMAD AIZAT ABU BAKAR, MR SHUHAIMI BIN SULAIMAN	UniMAP	TEMPERATURE CONTROL EXHAUST FAN USING ARDUINO	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
89	EVAWAYNIE VALQUIS MD.ISA, AP DR. UMMI NAIEMAH SARAIH, AP DR. NOORMAIZATUL AKMAR ISHAK, SYAHIDA KAMIL, SITI NOOR ZAWANI MD. HAIRI.	UniMAP	SOLAR POWERED TENT	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
90	ASSOC. PROF. TS. DR. ZULKIFLI BIN HUSIN, TAN WEI KEONG, MUHAMMAD AMIR HAKIM BIN ISMAIL, MUHAMMAD LUQMAN BIN YASRUDDIN, MOHAMMAD LUKMAN HAKIM BIN DERANI	UniMAP	PREDICTION OF EXPERT ADVISOR TRADING SYSTEM USING AN ARTIFICIAL INTELLIGENCE ALGORITHM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
91	NURUL FARHANA BINTI ZACKARIAH, TS. SITI AZURA BINTI ABUZAR	UniMAP	DEVELOPMENT OF COURSE EVALUATION APPLICATION	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	
92	ISMAHANI RUSDI, NURUL AZMA ZAKARIA	UTeM	SQMS: IOT-BASED COVID-19 SELF QUARANTINE MONITORING SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	
93	WONG XUN EN MOHD SALLEHUDIN BIN SAAD PM DR. MOHD NAJIB BIN MOHD YASIN TS MOHD NORHAFIZ BIN HASHIM MOHD RIDZUAN BIN MOHD. NOR AHMAD SYAHIR BIN AHMAD BAKHIT	UniMAP	SIMULATION OF DIELECTRIC RESONATORS ANTENNAS (DRA) USING CST STUDIO SUITE	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	
94	DR. LEOW WAI ZHE MUHAMMAD GHAUS BIN MOHAMAD ZAKIR DR. MOHD IRWAN BIN YUSOFF ASSOC. PROF. DR. SAFWATI BINTI IBRAHIM ASSOC. PROF. IR. DR. MUHAMMAD IRWANTO MIRSUN TS. DR. TAN XIAO JIAN DR. KHAIRUL SHAKIR B. AB RAHMAN THIRAPHORN A/P BUN LEEW TS. DR. MUHAMMAD IZUAN FAHMI BIN ROMLI	UniMAP	IOT TEMPERATURE AND MASK SCAN ENTRY SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	
95	TS. DR. MOHD AMINUDIN BIN JAMLOS, IZZATI BINTI RAZALI, TS. DR. KHAIRUL NAJMY ABDUL RANI, TS. DR. WAN AZANI BIN WAN MUSTAFA, ASSOC. PROF. TS. DR. SYED ZULKARNAIN SYED IDRUS, TS DR. MOHAMAD NUR KHAIRUL HAFIZI BIN ROHANI, MUHAMMAD ZAID AIHSAN	UniMAP	CARBON MONOXIDE DETECTOR FOR VEHICLES WITH AUTO WINDOW ROLL DOWN AND SAFETY WARNING SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
96	ASSOC. PROF. DR. ONG BI LYNN, DR. HASNAH AHMAD, NOOR FAZREEN BAKAR, AHMAD SYAZWAN BIN AHMAD IZHAM, LAI CHUN KIT, ABDUL HADI BIN ISMAIL, NUR HIDAYU BINTI AZRI,	UniMAP	DESIGN OF AN E-GROCERIES APPLICATION SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	

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97	TS. DR MOHD AMINUDIN BIN JAMLOS, NUR AKMAL BINTI ABD RAHMAN, PROF. IR. DR MOHD FAIZAL JAMLOS, ASSOC. PROF. DR PING JACK SOH, DR NORFATIAH BAHARI, TOUFIQ MD. HOSSAIN	UniMAP	FLEXIBLE CIRCULARLY POLARIZED (CP) DEDICATED SHORT RANGE COMMUNICATION (DSRC) ANTENNA ON A POLYETHYLENE TEREPHTHALATE (PET) SUBSTRATE FOR VEHICLE-TO-EVERYTHING (V2X) APPLICATION	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
98	TS. MUHAMMAD AIZAT BIN ABU BAKAR, MR. MUHAMMAD HARIZ BIN MOHD SAIMI, TS. DR. LEW HUI FANG, MR. MOHD AZRI BIN ABD AZIZ	UniMAP	IOT-BASED DATA STORAGE MONITORING SYSTEM FOR HOME MINI HYDRO POWER GENERATOR	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
99	TS. MUHAMMAD AIZAT BIN ABU BAKAR, MR. FAUZI BIN SIDITH, MR. MOHD RIZAL BIN MANAN, MR. ROEJHAN BIN MD KAWI, PROF. IR. TS. DR. ABU HASSAN BIN ABDULLAH	UniMAP	AUTONOMOUS UNMANNED AERIAL VEHICLE FOR AGRICULTURE SURVEILLANCE IMPLEMENTING GLOBAL POSITIONING SYSTEM NAVIGATION	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
100	DR. NORFATIAH BINTI BAHARI, NOR IRFAN MULTAZAM BIN NOR AZMI, TS. DR. MOHD WAFI BIN NASRUDIN, TS. DR. RASHIDAH BINTI CHE YOB, TS. DR. NUR HIDAYAH BINTI RAMLI, DR. LIYANA BINTI ZAHID	UniMAP	EARTHQUAKE DETECTION SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	BRONZE	
101	ASSOC. PROF. IR. DR. AHMAD FAIZAL BIN SALLEH, PROF. DR. MOHD YUSOFF MASHOR, NUR SAKINAH BINTI MOHD HISAM, MOHAMMAD SHAHRIL BIN SALIM, NURUL AMRI BIN AHMAD, AZAN BIN YAAKOB, ASSOC. PROF. DR. MOHAMMED HARITH, SUHIZAZ BIN SUDIN, DR. LIM CHEE CHIN, DR. AIMI SALIHAN BINTI ABDUL NASIR.	UniMAP	WOODBALL SWINGZER V1	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
102	TS. DR. MOHAMAD NUR KHAIRUL HAFIZI ROHANI TS. MOHD ANNUAR BIN MOHD ISA ASSOC. PROF. IR. TS. DR. MUZAMIR ISA TS. DR. WAN AZANI BIN WAN MUSTAFA DR. AFIFAH SHUHADA ROSMI TS. DR. MOHD. AMINUDIN JAMLOS CIK SITI KHADIJAH BINTI ABDULAH ASSOC. PROF. DR. MOHAMAD KAMAROL JAMIL	UniMAP	ET-CAT V2.0 - ELECTRICAL TREE COMPUTER-AIDED ANALYSIS TOOL FOR LABORATORY-INDUCED MICROSCOPY SPECIMENS	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
103	TS. DR. VIJAYASARVESWARI VEERAPERUMAL LIM JIA CHYIN TS. DR. MOHD WAFI BIN NASRUDIN DR. ISZAI DY ISMAIL	UniMAP	UNIMAP E-HEALTHCARE MANAGEMENT SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
104	MR MAT NOR MOHAMAD BIN ISMAIL, THARVIN MOHGAN	UniMAP	AR HEART (CARDIAC) : AN AUGMENTED REALITY (AR) APPS FOR RAISING PUBLIC AWARENESS OF HEART DISEASE (CONGENITAL HEART DISEASE)	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
105	NOR HIDAYAH BINTI SAAD	UniMAP	NEIMHE : HISTOGRAM EQUALIZATION BASED FOR NON-UNIFORM ILLUMINATION IMAGE ENHANCEMENT	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
106	IR TS DR RAZAIDI HUSSIN, LIM JING TA, TS AFZAN KAMARUDIN	UniMAP	IM-SECURE : FACE RECOGNITION SYSTEM WITH ILLUMINATION NORMALIZATION AND LIVENESS DETECTION TECHNIQUES FOR MOBILE APPLICATION SECURITY	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
107	BASEEMAH BT MAT JALALUDDIN, MAS AIDA BINTI MOHMED, MOHD RIZAL BIN MANAN, DIYYA HIDAYAH BT ABD RAHMAN	UniMAP	SOLAR POWERED AIR PURIFIER WITH AIR QUALITY MONITOR	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
108	AINALL YAQEEEN NAJLAA ZAINAL (FTKEN DIPLOMA STUDENT), FARIDAH HASSAN (PLV FTKEN)	UniMAP	IOT GARBAGE MONITORING SYSTEM: SMART GARBAGE BIN	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	

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109	NURANIS MUNIRAH MOHD ZAIDI, NURUL AZMA ZAKARIA	UTeM	ISCANNER: FACE MASK AND BODY TEMPERATURE SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
110	TS. DR. SITI MARHAINIS BINTI OTHMAN, TAN YU XUAN, AMIRAH HUSNA BINTI MOHAMAD HAJAZI, MOHAMAD NOR IZANI BIN MOHD RASHIDI, MUHAMMAZZIM BIN JALALUDDIN, TS.DR. SITI NURUL AQMARIAH MOHD KANAFIAH, TS.DR.HASIMAH ALI,	UniMAP	IOT BASED SMART HELMET FOR STUDENT MONITORING BASED ON FACIAL RECOGNITION SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
111	MOHAMAD ZHARIF BIN MD ZEMBERI, TS. MOHD HAFIZI BIN OMAR, TS. MOHD FIKRI BIN CHE HUSIN, TS. DR TAMIL SELVAN	UniMAP	DEVELOPMENT OF WIRELESS AMPLIFIER CONTROL SYSTEM FOR HIFI	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
112	MOHAMAD AZMIRU BIN MOHAMMED, ENCIK FAIRUL AFZAL BIN AHMAD FUAD, ENCIK KHAIRIL SYAHMI BIN MUSA	UniMAP	IOT SMART CHICKEN COOP	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
113	ASSOC. PROF. DR. MUHAMMAD IMRAN AHMAD, PROF. IR. TS. DR. ABU HASSAN ABDULLAH, ASSOC. PROF. IR. TS. DR. MOHD NAZRIN MD ISA, DR. RAJA ABDULLAH RAJA AHMAD, TS. MOHD NAZRI ABU BAKAR, TS. SHAFIE OMAR, TS. WAN MOHD FAIZAL WAN NIK, TS. SHAHRUL FAZLY MAN@SULAIMAN	UniMAP	I-DOSS: IOT BASED DISSOLVED OXYGEN SENSORY SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
114	MOHAMAD AZMIRU BIN MOHAMMED, ENCIK FAIRUL AFZAL BIN AHMAD FUAD, ENCIK KHAIRIL SYAHMI BIN MUSA,	UniMAP	IOT SMART POULTRY FARM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
115	IR. DR. NOR HANISAH BAHARUDIN, IR. TS. TUNKU MUHAMMAD NIZAR BIN TUNKU MANSUR, PROF. MADYA IR. DR. ROSNAZRI BIN ALI, MOHD SYAHRIL NOOR SHAH, DR. KUMUTHAWATHE A/P ANANDA-RAO, NUR FATINI BINTI AHMAD SOBRI, NUR HIDAYU BT MAHAMAD TAIB, WAN DANIEL ERFAN BIN MAGHZAN	UniMAP	SEAMLESS CONTROL OF GRID-CONNECTED SOLAR PV SYSTEM FOR SMART CITY	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
116	DR. SHARIFAH SAKINAH SYED AHMAD, CHARAE A/L EH SIN	UTeM	REDUCING WASTE BY CONNECTING DONORS AND DONEES VIA MOBILE APP AND AI	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
117	TS. DR. NOR FARHANI BINTI ZAKARIA, PM DR. SHAHRIL RIZAL KASJOO, DR. ZARIMAWATY ZAILAN, TS. DR. MOHD NATASHAH BIN NORIZAN, DR. SAFIZAN SHAARI, TS. DR. NORHAYATI SABANI, TAN YI LIANG	UniMAP	SILICON BASED RF DETECTOR FOR 5G NETWORKS	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
118	IR. TS. TUNKU MUHAMMAD NIZAR BIN TUNKU MANSUR, PROF. MADYA IR. DR. ROSNAZRI BIN ALI, IR. DR. NOR HANISAH BINTI BAHARUDIN, TS. DR. KUMUTHAWATHE A/P ANANDA-RAO, SHUKUR BIN ABDULLAH, AZLIMAN BIN MUSA, MOHD AZLIZAN BIN MOD ADIB, NURIZZATI BINTI ABDUL ULOOM	UniMAP	SMART LIGHTING CONTROL AND MONITORING SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
119	TS. DR. MOHD WAFI NASRUDIN, ATHIRAH FARHANA BINTI JAMALLUDDIN, DR. NORFATIAH BAHARI, TS. DR. VIJAYASARVESWARI VEERAPURUMAL, DR. MEOR AHMAD FARIS MEOR AHMAD TAJUDIN, TS. DR. ISZAI DY ISMAIL	UniMAP	AN IOT-BASED AUTOMATED GATE SYSTEM USING CAMERA FOR HOME SECURITY AND PARCEL DELIVERY	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
120	ARNOLD KANANG ANAK DAUD, MOHD. HELMY ABD. WAHAB, RADZI AMBAR, SYED ZULKARNAIN SYED IDRUS, NORHAFIZAH ISMAIL, MUHAMMAD MAHADI ABDUL JAMIL	UniMAP	FIRE DETECTION AND MONITORING SYSTEM VIA TELEGRAM NOTIFICATION SYSTEM	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	

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NO.	LIST OF PARTICIPANTS	IPT	NAME OF INVENTION / INNOVATION PRODUCT	CLUSTERS	MEDAL	SPECIAL AWARD
121	ASSOC. PROF. TS. DR. SYED ZULKARNAIN SYED IDRUS AL-SAGGOFF, BHAVATHARENE E. MAHENDRAN, MOHD HELMY ABD WAHAB, TS. DR. WAN AZANI WAN MUSTAFA, TS. DR. MOHD AMINUDIN JAMLOS	UniMAP	E-MEDIC MOBILE APPLICATION FOR PHARMACIES	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
122	PUBALAN NADARAJA, KHOO KENG SUEN, TS. ERDY SULINO MOHD MUSLIM TAN, TS. LEONG KEAN WEI, TS. DR. ALLAN MELVIN ANDREW	UniMAP	IOT BASED MOTION DETECTION SMART LIGHT SYSTEM FOR UNIMAP CAMPUS STREETLIGHTS	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
123	DR HASIMAH ALI, MOHAMAD SHAIRIL REZMAN BIN MOHAMAD NIZAM, GOAY SZE WEN, NURUL HIDJAH BINTI MOHD ZAHIR, MUHD ZAKI BIN SANUSI, SALEH ALI SALEM BA WAHAL, TS. DR SITI MARHAINIS OTHMAN, TS. DR SITI NURUL AQMARIAH MOHD KANAFIAH	UniMAP	PORTABLE SMART VENDING MACHINE SYSTEM BASED INTERNET OF THINGS	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
124	IR. TS. DR RAZAIDI BIN HUSSIN IR. TS RADHWAN BIN HUSSIN TS. AFZAN BINTI KAMARUDIN JULAIHA BINTI JUMAT MUHAMMAD AZHAN FIKRY BIN NOSRI NUR AIMAN SYAHMIE BIN RIDWAN	UniMAP	IOT BASED REAL TIME MONITORING SYSTEM FOR SWIFTLETS FOUNTAIN FEEDING MACHINE	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	BEST OF THE BEST AWARD
125	AMNI BATRISYIA BT MUZAMMIL	SRAATI	SMART TRASH FOR SMART ENVIRONMENT	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
126	TS. DR. SHAPARAS DALIMAN, NUR AIN NAJWA MOHD ADIB, NORDIANA ABD AZIZ, DR. NAZAHATUL ANIS AMALUDIN, TS. DR. NOOR JANATUN NAIM JEMALI, ASSOC. PROF. TS. DR. AWENG EH RAK	UMK	SMART FERTILIZATION MANAGEMENT FOR OIL PALM TREE BASED ON IOT AND DEEP LEARNING	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
127	AHMAD HAZIQ HARUN, TS. DR. MOHD ZAMRI HASAN, ASSOC. PROF. TS. DR. AHMAD KADRI JUNOH, TS. ISMAIL ISHAQ IBRAHIM	UniMAP	DESIGN OF LOW-COST WIRELESS NOISE MONITORING SYSTEM UNIT BASED ON IOT CONCEPT.	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	SILVER	
128	SITI NURHUDA ANIS MAT HISNA, TS. DR. MOHD ZAMRI HASAN, ASSOC. PROF. TS. DR. AHMAD KADRI JUNOH, TS. ISMAIL ISHAQ IBRAHIM, DR. NURUL SYAHIRAH KHALID, NORDIANA SHARIFFUDIN	UniMAP	SOUND LOCALIZATION SYSTEM FOR SOUND'S SOURCE IDENTIFICATION	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
129	MOHD FARIS FAIRUZ, TS. DR. MOHD ZAMRI HASAN, ASSOC. PROF. TS.DR. AHMAD KADRI JUNOH, TS.ISMAIL ISHAQ IBRAHIM	UniMAP	DESIGN OF WIRELESS VIBRATION MONITORING SYSTEM VIA IOT APPROACH	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
130	NASR ABDALMANAN NASR ALI, KAMARULZAMAN KAMARUDIN, VICTOR HERNANDEZ BENNETTS, SYED MUHAMMAD MAMDUH, MOHD HAFIZ FAZALUL RAHIMAN, ALLAN MELVIN ANDREW, AMMAR ZAKARIA, AHMAD FIRDAUS AHMAD ZAIDI	UniMAP	REINFORCEMENT LEARNING ODOR BOT (RELO-BOT)	DIGITAL TECHNOLOGY, ELECTRONICS & IOT's	GOLD	
131	TS. DR. KHAIRIYAH BINTI MAT, TS. DR. NOR DINI BINTI RUSLI, TS. DR. HASNITA BINTI CHE HARUN, TS. DR. ZULHISYAM BIN ABDUL KARI @ ABDULLAH, DR. MOHAMMAD MIJANUR RAHMAN, DR. SYED MUHAMMAD AL-AMSYAR BIN SYED ABD. KADIR, MR. MOHD BIN MAHMUD @ MANSOR, MR. MOHAMAD FAIZ MOHD NOR	UMK	PROOVYFEED: POULTRY FEED OF SUSTAINABLE PROTEIN SOURCES	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	
132	PROF. IR. TS. DR. ABU HASSAN BIN ABDULLAH (LEADER), ASSOC. PROF. DR. MUHAMMAD IMRAN BIN AHMAD, DR. TS. FATHINUL SYAHIR BIN AHMAD SAAD, DR SUKHAIRI SUDIN, DR HUSNA BINTI JAMAL ABDUL NASIR, TS. MOHD HAIDIEZUL JAMAL BIN AB HADI, MARWANI BINTI MALIKI, SHAFIE BIN OMAR, AL HAFIZ BIN SAAD.	UniMAP	ACQA: AQUACULTURE WATER QUALITY MONITORING USING MULTI-SENSORY SYSTEM	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	

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133	DR NORAZLIANIE BINTI SAZALI	UMP	MODIFIED GHEE/CLARIFIED BUTTER COMPOSITION FOR FOOD TECHNOLOGY	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	
134	MAIN RESEARCHER: TS. DR. TAN CHAN SIN CO- RESEARCHER: MOHD HISHAMUDDIN BIN CHE MAT , ROSFATIAH BINTI ROSLIM	UniMAP	SUPERMAXX 4 IN 1 FOUNDATION	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	SPECIAL CATEGORY AWARD FOR FOODTECH & AGRICULTURE TECHNOLOGY
135	DR MUHAMAD AZAHAR ABAS, PROF MADYA DR LUKMAN ISMAIL, PROF MADYA DR ZULHAZMAN HAMZAH, DR HAMZAH HUSSIN, DR KAMARUL ARIFFIN HAMBALI, DR AMAL NAJIHAH MD NOR, DR HAFIZI ROSLI, DR MUHAMMAD FIRDAUS ABDUL KARIM, NOR HIZAMI HASSIN	UMK	BIOCIDE FOR SICK BUILDING SYNDROME FUNGUS (BIOC-F)	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	
136	RUMAISA NORDIN, NUR NAZURAH AZIZ	UniMAP	SWEETATO BAMBOOFLAKES	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
137	RAJA HASNIDA BINTI RAJA HASHIM, ASSOC. PROF. TS. DR. AHMAD ANAS BIN NAGOOR GUNNY, ASSOC. PROF. DR. SAM SUNG TING, EN. MOHD. HISHAMUDIN BIN CHE MAT, TS. DR. FADHILNOR ABDULLAH, PN. ROSAWANIS BT ROSLI	UniMAP	GREEN STAYFRESH FILM FOR MANGO POSTHARVEST APPLICATION	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
138	DR. NOOR HASYIERAH MOHD SALLEH, NORHIDAYAH ABD AZIZ, ASSOC. PROF. DR. ZARINA ZAKARIA, NUR UMI MASJIDA AHMAD FAUZI, MUHAMAD IKMAL SIROZI, AHMAD MUKHLIS ABDUL RAHMAN, SITI AMINAH MOHD HASSAN	UniMAP	MOMORDICA SEED EXTRACT (MSE) FOR PROTECTION OF GREY OYSTER MUSHROOM (GOM)	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	
139	NUR IZZATI BINTI IBERAHIM, ALIFAH BT IMRAN	UniMAP	OPTIMIZATION AND QUALITY DETERMINATION OF FISH OIL PRODUCED FROM CATFISH WASTE (GUT) VIA HEAT EXTRACTION THROUGH RESPONSE SURFACE METHODOLOGY	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
140	DR. NURUL HAFIZAH MOHD YASIN, DR. DERWEANNA BAH SIMPONG, NUR FARIHIN ABD HADI KHAN, MAZNE IBRAHIM	UMK	RIZBRUNANA HIGH FIBRE BISCUIT: FROM WASTE TO HEALTH	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
141	NUR IZZATI BINTI IBERAHIM, AAMAR BIN IBRAHIM	UniMAP	HEAT EXTRACTION AND QUALITY ASSESSMENT OF FISH OIL FROM PATIN CATFISH WASTE	FOODTECH & AGRICULTURE TECHNOLOGY	BRONZE	
142	TS. DR. KU NURUL FAZIRA BINTI KU AZIR, WAN NUR FADHLINA SYAMIMI BINTI WAN AZMAN, ASSOC. PROF. DR. TS. DR. AMIZA AMIR, PROF. IR. TS. R. BADLISHAH AHMAD,	UniMAP	CLASSIFICATION OF COOKED FOODS CONTAMINATION BASED ON MACHINE LEARNING AND E-NOSE APPLICATION	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
143	MR CHUNG-MING TAN, DR BOON-BENG LEE, TS DR KHAIRUL FARIHAN KASIM, DR NOR HIDAWATI ELIAS1, TS MAHFUZ AFFIF MOHD RUSLAN, MR MOHD KHAIRUL YA–KUB	UniMAP	MICRODISPERSE LACTOCAPSULES FRUIT JUICE	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
144	HABIBAH BINTI HJ MOKHTARUDDIN NURUL AQILAH BINTI MOHAMAD RADZI DIYYA HIDAYAH BINTI ABD RAHMAN TS.NORHANISA BINTI KIMPOL TS.NURHAFIZA BINTI AZIZAN BASEEMAHBINTI MAT JALALUDDIN NOOR SHAZLIZA BINTI ZAKARIA TS.JUNAIDAH BINTI ALI MOHD JOBTRAN	UniMAP	DEVELOPMENT OF AUTOMATIC TRUCK ROOF RAIN COVER TO PROTECT RICE GRAINS BASED ON ARDUINO	FOODTECH & AGRICULTURE TECHNOLOGY	BRONZE	

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145	TS. DR. ABDUL SYAFIQ BIN ABDULL SUKOR, TS. DR. YUZAIRI BIN ABD RAHIM, DR. SYED MUHAMMAD MAMDUH BIN SYED ZAKARIA, ASSOC. PROF. DR. AMMAR ZAKARIA, AHMAD MUZAMMIL BIN ROSLAN, AHMAD AZIZ BIN GONAWAN, MUHAMMAD FARHAN BIN ISHAK	UniMAP	IOT-BASED SOLAR POWERED SMART FERTIGATION SYSTEM	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	
146	DR. NUR SUHAILI MOHD YATIM, NUR SYAHIRAH BINTI SHAHARUDDIN, ANITHAA A/P NADARAJAN , NUR AFEEZA HANIM CHE MAT AND ANGELA TAN YING JIE	UniMAP	BIODEGRADABLE PLASTIC/FILM FROM AGRICULTURAL WASTE	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
147	ASSOC. PROF. TS. DR. IRNIS AZURA ZAKARYA, DR. NOR ANIS NADHIRAH MD NASIR, DR. SAADI AHMAD KAMARUDDIN, NUR ADLINA MOHD HILMI, TS. DR FARAH NAEMAH MOHD SAAD, NAJIHAH RAZALI	UniMAP	F2-AZOLLA (FODDER AND FERTILIZER AZOLLA)	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	
148	ASSOC. PROF. TS. DR. IRNIS AZURA ZAKARYA, EN MUHAMAD FARIZUAN ROSLI, DR TENGKU NURAITI TENGKU IZHAR, IR. MOHD KHAIRUL FADZLY BIN ABU BAKAR, SITI D'ZALEHA SAHIRON	UniMAP	KLOF- KITCHEN WASTE LIQUID ORGANIC FERTILIZER FOR AQUAPONIC SYSTEM	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
149	TS. DR FATHINUL SYAHIR BIN AHMAD SAAD, LIM CHUN LEONG, MUHAMMAD ZUNNURRAINIE BIN ZULKIFLI, MUHAMMAD IFFIRDAUS BIN AHMAD ZAILANI, ARIMUGAN A/L RETNAM, NUR SABRINA BINTI YUSLI, DR SUKHAIRI BIN SUDIN, DR MUHAMAD KHAIRUL BIN ALI HASSAN	UniMAP	SMART GREEN GARDEN (SMAG GARDEN)	FOODTECH & AGRICULTURE TECHNOLOGY	BRONZE	
150	DR. FARAH FAIQAH FAZIAL, ONG YING YING, DR. AZFAR AL ARIFF AHMAD	UniMAP	ACTIVE FRUIT PACKAGING FOR SHELF LIFE IMPROVEMENT	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
151	1. VAISNAVI A/P V.PALANISAMY 2. TS. DR. MOHD SAIFIZI BIN SAIDON 3. DR. NORAWANIS BINTI ABDUL RAZAK 4. DR. SITI KARTINI BINTI ENCHE AB RAHIM	UniMAP	PULSED UV INTEGRATED INFRARED DRYER SYSTEM FOR ORTHOSIPHON STAMINEUS HERB.	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	
152	TS.MASTURAH TUNNUR BINTI MOHAMAD TALIB	UniMAP	SMART AQUAPONIC SYSTEM	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
153	MAT NOR MOHAMAD BIN ISMAIL, PM IR TS DR MUZAMMIL BIN JUSOH, KAPTEN ZAKARIA KAMANTASHA, DR RAJA ABDULLAH BIN RAJA AHMAD, MUHD HARIZ FAHMI BIN MOHD SHAHIDI	UniMAP	IN-SITU SOIL NUTRIENS TESTER	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	BEST CATEGORY AWARD FOR FOODTECH & AGRICULTURE TECHNOLOGY
154	MUZAMMIL JUSOH, MAT NOR MOHAMAD ISMAIL, RAJA ABDULLAH RAJA AHMAD, MOHD ILMAN JAIS, MOHD WAFI NASRUDIN, AMIR NAZREN ABDUL RAHIM, NURAMINAH RAMLI	UniMAP	SLOPE HEALTH MONITORING SYSTEM USING IOT SYSTEM	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	
155	PROF. MADYA TS. DR FADZELLY BIN ABU BAKAR, DZULKARNAIN FARHAN BIN MD FARID	UTHM	(BUUCHA) DEVELOPMENT OF KOMBUCHA TEA FROM BLACK TEA AND PECAH BELING TEA	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	
156	DR. SYAMSURIANA SIDEK (SENIOR LECTURER), TUAN MUHAMMAD MUIZ T. NORDIN (ALUMNI UMK), DR. YUSRINADINI ZAHIRAH MD. ISA @ YUSUFF (SENIOR LECTURER), NURUL AZWA MOHAMED KHADRI (LECTURER), & HAZRINA HASBOLAH (LECTURER)	UMK	VCENDOL: RETORT PROCESS FOR READY-TO-DRINK (RTD) CENDOL	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	

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157	MDM SITI NOR AZREEN BINTI AHMAD TERMIZI	UniMAP	OYSTER MUSHROOM GREEN CYCLE	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
158	DR SITI NAZRAH ZAILANI, PUAN SITI NOR AZREEN AHMAD TERMIZI, AP DR ZARINA ZAKARIA	UniMAP	FERMENTED FOOD WASTE FOR SPENT MUSHROOM MEDIUM COMPOSTING	FOODTECH & AGRICULTURE TECHNOLOGY	SILVER	
159	DR. BUKHARI BIN ILIAS, MUHAMMAD AMMAR ASYRAF CHE ALI, PM DR NORASMADI ABDUL RAHIM, PM DR. SHAZMIN ANIZA ABDUL SHUKOR, PROF DR ABDUL HAMID ADOM, MOHD AL HAFFIZ SAAD	UniMAP	AN INVINCIBLE STINGLESS BEE HIVE DESIGN WITH IOT AND SOLAR SYSTEM	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	
160	DR. NOR ASHIKIN AHMAD, PM IR. DR. UMI FAZARA MD ALI, FARIDAH MUKHROFUN, AHMAD LUQMAN REDZUAN, LUKMAN HAYAZI MOHD RAMZI	UniMAP	ACTIVATED BIOCHAR FROM HARUM MANIS WASTES	FOODTECH & AGRICULTURE TECHNOLOGY	BRONZE	
161	MS. NURUL NADZIRAH MOHD YUSOF, MS. JESSIE KONG FUNG YING, TS. MS. ROSHITA IBRAHIM, DR. IFFAH NADHIRA MADZUKI, DR. MOHD ASRAF MOHD ZAINUDIN	UniMAP	DEVELOPMENT OF FETTUCINE USING POWDERED KENAF (HIBISCUS CANNABICUS L.) LEAVES AS FUNCTIONAL INGREDIENTS	FOODTECH & AGRICULTURE TECHNOLOGY	GOLD	
162	DR. NURUL NAJWA BINTI MANSOR, ABDUL MUAZ BIN MUSTAFA, WAN NUR A'TIQAH WAN DRAMAN	UniMAP	DESIGN AND DEVELOPMENT OF MODIFICATION SAFETY CRIBS	MACHINERY & EQUIPMENT	SILVER	
163	TS MUHAMMAD SYAMIL BIN ZAKARIA, TS MUHAMMAD IKMAN BIN ISHAK, ASSOC. PROF. IR TS DR AZWAN ISKANDAR BIN AZMI	UniMAP	SUBMERGED CONVECTIVE COOLING (SCC) TOOL FOR TURNING APPLICATION	MACHINERY & EQUIPMENT	GOLD	
164	TS. NORHANISA BINTI KIMPOL, MOHAMMAD NUR AIMAN BIN ALIMUDDIN, TS. AHMAD MUHYIDDIN BIN YUSOF, DR. LIEW HUI FANG, HABIBAH BINTI HJ MOKHTARUDDIN, MUHAMMAD ZAID BIN AIHSAN, NOOR SHAHLIZA BINTI ZAKARIA	UniMAP	A WASTE INCINERATOR PROTOTYPE USING STEAM TURBINE FOR ENERGY GENERATION SYSTEM	MACHINERY & EQUIPMENT	BRONZE	
165	HANIM HAMDAN, ASSOS. PROF. DR. UMMI NAIEMAH SARAIH, EVAWAYNIE VALQUIS MD. ISA, ADLINA KHAISI MAZLAN	UniMAP	MURUKKU MAKING MACHINE	MACHINERY & EQUIPMENT	SILVER	
166	DR NURNADDIA NORDIN DR NURHAIZA NORDIN NUR ILYANA AMIIRAA NORDIN NUR FAIZ NORDIN NOR FAIZAL HERMY NORDIN	UMK	MULTI-PURPOSE MOTORCYCLE: SMART 3-WHEEL BIKE Å€EMPOWER DISABLED ENTREPRENEURSÅ€	MACHINERY & EQUIPMENT	SILVER	
167	DR NORAZLIANIE BINTI SAZALI, ARJUN A/L ASOGAN	UMP	MODIFIED CREAM SEPARATOR MACHINE FOR FOOD INDUSTRY	MACHINERY & EQUIPMENT	SILVER	
168	1.TS. AHMAD NABIL BIN MOHD KHALIL, 2.EN. SAAD SAEP (SENTUHAN BUDI TRADING) 3.EN. MOHD NASHAIN NORDIN (SIRIM BHD) 4.DR. YUZAIRI BIN ABDUL RAHIM, 5.TS. MOHD SYEDI IMRAN BIN DAWI, 6.EN. ROSZI ANUAR BIN HAMID 7.DR. SABRI BIN HUSSIN, 8.KAPTEN MUHAMMAD KHAIRY BIN MD NAIM,	UniMAP	LOW COST SEMI AUTOMATIC STEEL SPRING-REINFORCED CAPAL SANDAL MOULD PRESS MACHINE	MACHINERY & EQUIPMENT	GOLD	BEST CATEGORY AWARD FOR MACHINERY & EQUIPMENT

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169	ASSOC. PROF. IR. TS. DR. SHAHRIMAN ABU BAKAR, ASSOC. PROF. IR. DR. ZURADZMAN MOHAMAD RAZLAN, DR NURSAIFULLAH KAMARUDDIN, DR MOHD SANI MOHD HASHIM, RISHAN A/L MURALI, NUR IKA SYAHIRA BT ABDULLAH, NURUL IZZAH BINTI YAHAYA, NORZARUL ASRI KAMIS	UniMAP	ROBOT PAINTING SYSTEM FOR AERODYNAMIC SOLUTIONS IN BOEING AIRCRAFT PANEL SMART PRECISION PAINTING SYSTEM	MACHINERY & EQUIPMENT	GOLD	SPECIAL CATEGORY AWARD FOR MACHINERY & EQUIPMENT
170	DR. BHAJAN LAL, SIRISHA NALLAKUKKALA	UTP	A GAS HYDRATE PROCESS FOR HIGH-SALINITY WATER TREATMENT / GAS HYDRATE BASED DESALINATION	MACHINERY & EQUIPMENT	GOLD	
171	KELVIN VOON YAN JIE, MOHD FAIRUS AHMAD (DR), NORHAYATI SABANI (DR), SHAMSUL AMIR ABDUL RAIS, MOHD NATASHAH NORIZAN (DR), MUHAMMAD MAHYIDDIN RAMLI (AP DR), SAFIZAN SHAARI (DR) , ARIF MAWARDI ISMAIL (DR)	UniMAP	SPECTROPHOTOMETER™S CUVETTE AND SOLAR CELL HOLDER	MACHINERY & EQUIPMENT	GOLD	
172	WAN NUR A'TIQAH BINTI WAN DRAMAN MUHAMAD HARIZ HILMAN BIN AHMAD RODZI MUHAMMAD IKMAN BIN ISHAK MOHAMAD SUHAIMI BIN SHAHRIN MOHD HAIDIEZUL JAMAL BIN AB HADI DR. NURUL NAJWA BINTI MANSOR DR. NORMAH BINTI KASSIM	UniMAP	DESIGN AND DEVELOPMENT OF TAPE INSTALLATION TOOL TO KEEP SOCIAL DISTANCING	MACHINERY & EQUIPMENT	GOLD	
173	DR AHMAD HAMDAN BIN ARIFFIN, SYED MUHAMMAD ISYRAQ BIN SYED MOHAMMED SOHAIMI, MOHD RAHMAT FIRMAN BIN SAHIFULDDIN, ASSOC. PROF. IR. DR. AL EMRAN BIN ISMAIL	UTHM	OPTIMIZATION OF ERGONOMIC HOLDING DESIGN ON STATIC REMOVAL JIG	MACHINERY & EQUIPMENT	GOLD	
174	1. SHAHRUL MALEK FAIZAL BIN SHAHRUL HAIRI (MAIN RESEARCHER) 2. DR AHMAD HAMDAN BIN ARIFFIN 3. DR. SITI JUITA MASTURA BINTI MOHD SALEH 4. ASSOC. PROF ZAMRI BIN OMAR	UTHM	STRUCTURAL ANALYSIS OF COMPOSITE AEROSTRUCTURE FOR UAV APPLICATION	MACHINERY & EQUIPMENT	GOLD	
175	TS. DR. SITI MARHAINIS OTHMAN , MR. WONG KAR YI, MR. DEVENDIRANATH.K, TS. DR. MOHD SAIFIZI SAIDON, DR. HASSRIZAL HASSAN BASRI, TS. DR. SITI NURUL AQMARIAH MOHD KANAFIAH, TS. DR. HASIMAH ALI, TS. DR. ABDUL HALIM ISMAIL	UniMAP	MODELING AND CONTROLLER DESIGN FOR ELECTRO-HYDRAULIC ACTUATOR (EHA) SYSTEM	MACHINERY & EQUIPMENT	SILVER	
176	TS. NORSYAHADAH BINTI YEOP WASIR NUR IZWANIZA BINTI NOOR RIZAN DR. NORMAH BINTI KASSIM MUHAMMAD IKMAN BIN ISHAK MUHAMAD QAUYYUM ZAWAWI BIN AHAMAD SUFFIN	UniMAP	DRAIN TRASH COLLECTOR MACHINE	MACHINERY & EQUIPMENT	GOLD	
177	NANTHA KUMAR S/O MOHGAN	UniMAP	PRODUCT DEVELOPMENT OF INTERIOR WINDOW SHUTTER	MACHINERY & EQUIPMENT	BRONZE	
178	BASEEMAH MAT JALALUDDIN, MUHAMMAD NABIL BIN AZHAR, JUNAIDAH BINTI ALI MOHD JOBTRAN, NURHAFIZA BT AZIZAN	UniMAP	SMART SHOPPING CART WITH AUTOBILLING SYSTEM	MACHINERY & EQUIPMENT	GOLD	
179	TS. SK MUIZ SK ABD RAZAK, PROF. IR. DR. AZLAN ADNAN, ASSOC. PROF. DR. RAFIZA ABD RAZAK, IR. DR. MOHD ZULHAM AFFANDI MOHD ZAHID, TS. DR. HJ. UMAR KASSIM, TS. DR. ZUL-ATFI ISMAIL, IR. TS. NURHAIZURA YAHYA, KENT FAN CHIAO TUNG	UniMAP	WOPENSTRUC	MACHINERY & EQUIPMENT	GOLD	
180	AHMAD AIMAN BIN AHMAD NAZRI, ANUSHIYA A/P THAMILSELVAM, NIK NURSYAZLIN BIN NAWI, AIN NURAINI BINTI MOHD AZNI, HUANG XIN LING, ASSOC. PROF. IR DR. AHMAD FAIZAL BIN SALLEH, ASSOC. PROF. DR. CHENG EE MENG.	UniMAP	PARATHROW V1	MACHINERY & EQUIPMENT	GOLD	

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181	PROF DR UDA BIN HASHIM	UniMAP	MASK ALIGNER FOR PHOTOLITHOGRAPHY LEARNING MODULE	MACHINERY & EQUIPMENT	GOLD	
182	PROF. DR. UDA BIN HASHIM	UniMAP	HIGH SPEED PORTABLE SPIN COATER FOR THIN FILM COATING	MACHINERY & EQUIPMENT	SILVER	
183	TS. DR. FAIZUL CHE PA, DR. SHARIFAH SHAHNAZ SYED BAKAR, EN. MUHAMMAD FAHEEM MOHD TAHIR	UniMAP	EZ DISPENSER	MACHINERY & EQUIPMENT	SILVER	
184	TS. DR. TEO PAO TER, TS. DR. MUSTAFFA ALI AZHAR TAIB, DR. ARLINA ALI, AFIQAH AWANG KECHIK, MUHAMMAD LUQMAN HAKIM MD ZULKIFLI, NUR ATIKAH MUHAMMAD THARMIZI, TS. DR. MARDAWANI MOHAMAD, DR. BOON JIA GENG	UMK	GREEN POROUS CERAMIC THERMAL INSULATOR (GREENPCTI) MADE FROM WOOD SAW DUST WASTE	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
185	TS. DR. UMAR KASSIM, DR NORSHAH AIZAT SHUAIB, ROZIAH BT RAMLI, NUR 'IZZAH SOLEHAH, NUR INSYIRAH HUSNA, AND NUR 'IRDINA MADIHAH.	UniMAP	SUSTAINABLE POLIMER BRICK(SPB)	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
186	DR. MOHD FAUZI BIN MAMAT, MUHAMMAD HAIRY BIN MUHDAR, NUR NADIRAH BINTI DOLAH, PROF. DR. JOSEPH SAHAYA ANAND, DR. MUHAMMAD ZAIMI BIN ZAINAL ABIDIN, DR. HABIBAH BINTI GHAZALI, TS. MOHAMAD SAFWAN BIN ISMAIL, DR NUR HAZWANI BINTI MOKHTAR	UTeM	SALUTAN SWA SEMBUH - KAPSUL MINYAK LINSEED	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
187	TS. DR AZDUWIN KHASRI, NOORULAYUNI ATIQA BINTI YAACOB, DR NOOR HASYIERAH MOHD SALLEH, ASSOC. PROF. IR. TS. DR. MOHD RIDZUAN MOHD JAMIR	UniMAP	CU-DOPED AC/TIO2 TERNARY COMPOSITE PHOTOCATALYST FOR EFFICIENT PHARMACEUTICALS WATER TREATMENT	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
188	TS. DR. UMAR KASSIM, DR. NORSHAH AIZAT SHUAIB, ROZIAH RAMLI, NUR 'IZZAH SOLEHAH, NUR INSYIRAH HUSNA, NUR 'IRDINA MADIHAH	UniMAP	SUSTAINABLE RECYCLE CERAMIC PLASTIC PALLET FOR MOULDING (SRCPP)	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
189	DR. MOHD FAUZI BIN MAMAT, AJA SOFEA ANISSA BINTI AJA MOHAMMAD RIZAL PAHLEPI, NOOR ADILAH BINTI SAFTU, NUR NADIRAH BINTI DOLAH, MUHAMMAD HAIRY BIN MUHDAR, NUR AIMAN HANIS BINTI HASIM, SAYED KUSHAIRI BIN SAYED NORDIN, TS. DR. SURIATI BINTI AKMAL	UTeM	ECO-FRIENDLY INHIBITOR " NEEM LEAVE EXTRACTION	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
190	DR. ADIBAH IZZATI DAUD, NURMASYITAH MAHAMADDIN, SITI NOR SARAH ABU YAMIN, PROF. TS. DR. WAN MOHD KHAIRUL WAN MOHAMED ZIN	UniMAP	FU-CHALCONE: NEW ORGANIC MATERIALS AS CORROSION INHIBITORS FOR MILD STEEL IN ACIDIC MEDIA	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
191	NUR SUHAILY AZMI, ASSOC. PROF. DR. MOHD NAZREE DERMAN, DR. ZURAIKAWANI CHE DAUD	UniMAP	ANODIZED SS304L FOR WATER SPLITTING ELECTROCATALYST APPLICATION	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
192	ASSOC. PROF. TS. DR. NORZILA BINTI OTHMAN, DR. SYAZWANI BINTI MOHD ASHARUDDIN, DR. WAHID ALI HAMOOD ALTOWAYTI, MUHAMMAD ADIB BIN ABIDI, NURUL FARAH ATIKA BINTI MUHAMMAD FAUZI	UTHM	CASSAVA PEEL STARCH : A GREEN FLOCCULANT	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	

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193	CHM TS DR NOR HAKIMIN BIN ABDULLAH, TS DR MAZLAN MOHAMED, PROF DR MOHAMAD AZWANI SHAH MAT LAZIM, DR MUHAMMAD IQBAL BIN AHMAD, TS DR SARIZAM MAMAT, TS DR MOHAMAD BASHREE BIN ABU BAKAR, DR. AN'AMT BIN MOHAMED NOOR, PROF MADYA DR MAHANI YUSOFF	UMK	WASTE TO WEALTH; A NOVEL BIODEGRADABLE COMPOSITES FROM AGRICULTURE WASTE FOR DRUG DELIVERY	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
194	SINAR ARZURIA ADNAN, ASSOC. PROF. DR. AZLIN FAZLINA OSMAN, LAI DI SHENG, ISMAIL IBRAHIM, ASSOC. PROF. DR. MIDHAT NABIL AHMAD SALIMI AND PROFESOR IR. DR. MARIATTI JAAFAR@MUSTAPHA.	USM	STARLULOSITE: FUTURE MATERIALS FOR FILM PACKAGING	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
195	TS. DR. NOR AZIZAH PARMIN, FATIN SYAKIRAH HALIM, ASSOC.PROF.DR FARRAH AINI DAHALAN, ASSOC. PROF. DR SUBASH C.B GOPINATH, PROF TS. DR. UDA HASHIM, NUR FAREEZAH NADHIRAH JAAPAR	UniMAP	CARBON QUANTUM DOTS (CQD)-BASED BIOSENSOR : A DIAGNOSTIC SYSTEM FOR EARLY DETECTION OF MICRORNA (MIRNA) OF COVID-19	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
196	TS. DR. NORAZLIANIE BINTI SAZALI, DR. WAN NORHARYATI BINTI WAN SALLEH, PROF. DATUK TS. DR. AHMAD FAUZI BIN ISMAIL, PROF. DR. RIZALMAN BIN MAMAT	UMP	VARIED POLYIMIDE ENRICH CARBON MEMBRANE	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
197	NUR AIN WAHIDAH YA OMAR, TS. DR. NORSHAH AIZAT SHUAIB, MOHD HADIEZUL JAMAL AB HADI, TS. DR. LEE YENG SENG, PROF MADYA TS. DR. CHENG EE MENG, TS. DR. KHOR SHING FHAN	UniMAP	CONDUCTIVE 3D PRINTING FILAMENT MADE FROM RECYCLED CARBON FIBRE REINFORCED POLYLACTID ACID (PLA)	CHEMICAL, ADVANCED MATERIAL & PLASTIC	BRONZE	
198	ASSOC. PROF. TS. DR. TAN SOO JIN, ASSOC. PROF. TS. DR. FOO KAI LOONG, ZARUL AIMAN BIN ADRUS, ASSOC. PROF. TS. DR. LIEW YUN MING, ASSOC. PROF. TS. DR. HEAH CHENG YONG, PROF. DR. MOHD MUSTAFA AL BAKRI ABDULLAH, DR. KHOR CHU YEE, DR. MOHAMMAD FIRDAUS ABU HASHIM	UniMAP	POLY ENVIROPIPE: FUTURE GREEN PIPE	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
199	YUSLIZA BINTI YUSUF (MAIN RESEARCHER), NUZAIMAH BTE MUSTAFA, MASTURA BINTI MOHAMMAD TAHA, NOOR IRINAH BINTI OMAR, ROHANA BINTI ABDULLAH, ARIFFADZILAH BIN LATIP	UTeM	COCONUT FIBER REINFORCED RECYCLED POLYPROPYLENE (PP) 3D PRINTING FILAMENT.	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
200	DICKSON LING CHUAN HAO, ASSOC. PROF. DR. RAFIZA BINTI ABD RAZAK, DR. ZARINA BINTI YAHYA, TS. SK MUIZ BIN SK ABD RAZAK, AHMAD FAIZAL BIN MANSOR, SHARKIZAM BIN AZMI	UniMAP	DEVELOPMENT OF MODIFIED PALM OIL BOILER ASH (POBA) Å“ BASED GEOPOLYMER LIGHTWEIGHT AGGREGATE	CHEMICAL, ADVANCED MATERIAL & PLASTIC	BRONZE	
201	DR. NORASYIKIN ISMAIL, OFELLIA THONG, AMIRAH IBRAHIM, HUSSIEN ABDUL RAHIM, YONG WENG JUN	UMP	HYBRID METHOD TO RECOVER CRUDE OIL FROM OIL SLUDGE	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
202	NOOR MARIAMADZLIZA BINTI MOHD NAN, TS. NOOR AZIRA BINTI MOHD NOOR, TS. DR. KAMROSNi ABDUL RAZAK, NOR SYAHZANANI BINTI MOHAMAD ZAIDI, AIDA SYAMIMI BINTI MOHAMMAD SANI TAY	UniMAP	ECO-FILTERZ NEWLY INVENTED BIO ADSORBENT	CHEMICAL, ADVANCED MATERIAL & PLASTIC	BRONZE	
203	I) TS. DR. MAZLAN BIN MOHAMED; II) PROF. MADYA IR. DR. MOHAMAD SHAIFUL ASHRUL BIN ISHAK; III) DR-ING MOHD NAZRI BIN OMAR; IV) PROF. MADYA DR.ROZYANTY BINTI RAHMAN. ; V) TS. MOHD FADZLI BIN HAMID; VI) Å“WAN SALMIZI WAN MAHMOOD; VII)TS. DR. SHARIZAL BIN AHMAD SOBRI; VIII) TS. DR. TEO PAO TER	UMK	FAST POWDER FILLING MACHINE USING TWIN HOPPER	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	BEST CATEGORY AWARD FOR CHEMICAL, ADVANCED MATERIAL & PLASTIC
204	DR. NG QI HWA, LIM CHUAN CHUAN, DR. SHUIT SIEW HOONG, DR. SITI KARTINI BINTI ENCHE AB RAHIM, DR. HOO PENG YONG	UniMAP	HIGH REUSABILITY MAGNETIC MULTI-WALLED CARBON NANOTUBES ADSORBENT IN THE REMOVAL OF METHYLENE BLUE VIA ADSORPTION-FENTON REACTION	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	

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205	TS MUHAMMAD SALIHIN BIN ZAKARIA, ASSOC PROF DR RAZIF BIN MUHAMMED NORDIN, TS LOKMAN HAKIM BIN IBRAHIM, TS AHMAD AZREM BIN AZMI, YAP YEE WEN, NURUL NAJIHA BINTI ABU BAKAR, NUR AFIFI BINTI RUSLIZAH, NUR FATIHAH BINTI MOHD FADZIL	UniMAP	SUSTAINABLE SELF-CLEANING ROOFING: A FACILE APPROACH	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
206	TS. DR. NOORAIZEDFIZA BINTI ZAINON, DR. MOHD AZAMAN BIN MD DEROS, HAFIES BIN NASIRUN, NUR AININ BINTI FAISSAL	UniMAP	PRINTING PARAMETER OPTIMIZATION OF POLYMERIC BIOMEDICAL SCAFFOLDS RELATED TO FLEXURAL AND TENSILE PROPERTIES	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
207	TS. DR. NOORAIZEDFIZA BINTI ZAINON, DR. TAN CHYE LIH, DR. MOHD ZAMZURI BIN MOHD ZAIN, MUHAMMAD EZRIEN SHAH BIN EDRUS, MIZA HAZANEEES BINTI ROSLAN, NURSYIFA' BINTI HAMIR HAMZAH	UniMAP	NANO GRAPHENE OXIDE EMBEDDED HYDROXYAPATITE COATING ON AZ91D MG ALLOYS	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
208	ASSOC. PROF. DR. LIEW YUN MING, ASSOC. PROF. DR. HEAH CHENG YONG, HANG YONG JIE, OOI WAN EN, NG HUI TENG, LIM JIA NI, ASSOC. PROF. DR. TAN SOO JIN, DR. KHAIRUNNISA ZULKIFLY	UniMAP	ONE-BINA	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
209	ASSOC. PROF. DR. HEAH CHENG YONG, ASSOC. PROF. DR. LIEW YUN MING, ONG SHEE WEEN, NG YONG SING, TEE HOE WOON, ASSOC. PROF. DR. FOO KAI LOONG, DR. NUR AIN JAYA, DR. IKMAL HAKEM BIN A AZIZ	UniMAP	CARLOTILE	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
210	ASSOC. PROF. DR. AZRINA ABD AZIZ, FATEMA KHATUN	UMP	PLASMONTNT50	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
211	DR ROMISUHANI BINTI AHMAD, DR WAN MASTURA BINTI WAN IBRAHIM, MASDIYANA BINTI IBRAHIM, LOKMAN HAKIM BIN MAHAMUD, MUHAMMAD NOORFADZLIN NAJMI BIN TAJUDDIN, MOHAMMAD ZAKI BIN ABD AZIS	UniMAP	METAKAOLIN BASED GEOPOLYMER AS AN EFFECTIVE ADSORBENT FOR NICKEL (II) IONS FOR WASTEWATER TREATMENT APPLICATION	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
212	ZAINOR SYAHIRA BINTI ZAINAL, TS. DR. HOO PENG YONG*, PROFESSOR TS. CHM. DR AHMAD ZUHAIRI ABDULLAH, DR. SITI KARTINI BINTI ENCHE AB RAHIM, DR. NG QI HWA, DR. SHUIT SIEW HOONG, DR. TEOH YI PENG	UniMAP	PANACEA	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
213	IR. DR. MOHAMMAD SYAHMIE BIN MOHAMAD RASIDI, DR. LUQMAN BIN MUSA, NUR ATIQA BINTI MOHD RAHIM, MUHAMMAD AFHAM ATHA BIN RAHIM ANUAR.	UniMAP	PLAPLAST: THE REVOLUTION OF HIGHER MECHANICAL PROPERTIES OF PLA	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
214	TS DR NOR DIYANA MD SIN, PM IR TS DR MOHAMAD HAFIZ MAMAT, TS DR MOHAMAD ZHAFRAN HUSSIN, IR DR MOHD HANAPIAH ABDULLAH, TS DR NOOR ASNIDA ASLI	UiTM	HUMIDITY SENSOR: DESIGN CONFIGURATION OF METAL SEMICONDUCTOR METAL ZNO/SNO2 NANOSTRUCTURE BASE HUMIDITY SENSOR	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
215	DR. HAFIZA SHUKOR (MAIN-RESEARCHER) ASSOC. PROF. TS. DR. HAKIMAH OSMAN TS. DR. ZUNAIDA ZAKARIA TS. JIMIRAFIZI BIN JAMIL DR. MUAZ MOHD ZAINI MAKHTAR DR. NOOR FAZLIANI SHOPARWE MUHAMMAD ARSHAD BIN MOHAMED AMIN	UniMAP	NOVEL BIOSORBENT FOM AGRO-WASTE (COCONUT DREGS) FOR HIGH BIOSORPTION OF DYE	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
216	SITI AMIRA OTHMAN	UTHM	PREPARATION AND CHARACTERIZATION OF IRRADIATED MAGNETIC PINEAPPLE LEAVES FOR PAPER PRODUCTION	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	

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217	TS. DR. ZUNAIDA ZAKARIA, ASSOC. PROF. TS. DR. FIRUZ ZAINUDDIN, TS. DR. LUQMAN MUSA, TS. HAZMI HELMI (FAIRMONT INDUSTRIES SDN BHD), DR. DIAS LINTON (FAIRMONT INDUSTRIES SDN BHD)	UniMAP	ECOFOAM GRANULES FROM EPDM RUBBER WASTE FOR WET POUR SAFETY SURFACING	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	BEST AWARD 1ST PLACE
218	DR WAN MASTURA WAN IBRAHIM, MASDIYANA IBRAHIM, PROF DR MOHD MUSTAFA AL BAKRI ABDULLAH, DR ROMISUHANI AHMAD, AHMAD SYAUQI SAUFFI, LOKMAN HAKIM MAHAMUD, MUHAMMAD NOORFADZLIN NAJMI TAJUDDIN, MOHAMMAD ZAKI ABD AZIS	UniMAP	METAKAOLIN BASED ALKALI ACTIVATED MATERIALS AS AN EFFECTIVE COPPER IONS ADSORPTION FOR WASTEWATER TREATMENT APPLICATION	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
219	DR ROMISUHANI AHMAD, DR WAN MASTURA WAN IBRAHIM, LOKMAN HAKIM MAHAMUD, MOHAMMAD ZAKI ABD AZIS, MUHAMMAD NOORFADZLIN NAJMI TAJUDDIN, MASDIYANA IBRAHIM	UniMAP	METAKAOLIN BASED GEOPOLYMER AS AN EFFECTIVE ADSORBENT FOR NICKEL (II) IONS FROM WASTEWATER TREATMENT	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
220	KASTURI A/P SIVABALAN, PROF. MADYA DR. ZURAINA ALI	UMP	THE EFFECTIVENESS OF WHATSAPP IN VOCABULARY LEARNING	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
221	TS. DR. LIEW HUI FANG; VMALEN A/L KUPUSAMY; TS. DR. MUHAMMAD NAUFAL BIN MANSOR; TS. JUNAIDAH BINTI ALI MOHD JOBRAN; TS. NORHANISA BINTI KIMPOL; TS. DR. MUHAMMAD IZUAN FAHMI BIN ROMLI	UniMAP	MODELLING AND CHARACTERIZATION OF PIEZOELECTRIC SOUND WAVE ENERGY HARVESTER	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
222	CHM. DR. ROZAINI ABDULLAH, MRS. SHARIFAH ZATI HANANI SYED ZUBER, MS. NURUL FAZLIANA AHMAD	UniMAP	OPTIMIZATION OF IRON NANOPARTICLES YIELD FROM WATERMELON RIND (WMR)	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
223	DR NOOR AINEE BINTI ZAINOL , NUR NABILAH BINTI MOHD SHAH, NOR AIDA BINTI YUSOFF, KHAIRUNISSA SYAIRAH BINTI AHMAD SOHAIMI, NOR MUNIRAH BINTI ROHAIZAD	UniMAP	QUARTENIZED CELLULOSE BASED FLOCCULANT FROM CARDBOARD WASTE FOR DYE TREATMENT	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
224	TS. LIYANA JAMALUDIN, TS. DR. ALIDA ABDULLAH & TS. DR. NOORINA HIDAYU JAMIL	UniMAP	SELF-CLEANING GEOPOLYMER COATING PAINT	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
225	MUHAMMAD NUR HAKIM BIN TERMIZI, IR. DR. MOHAMAD SYAHMIE BIN MOHAMAD RASIDI, ASSOC. PROF. DR FIRUZ BINTI ZAINUDDIN, SRI GOVINTHEN NAIDU A/L T.VELLO	UniMAP	PLA HYBRID BIOCOMPOSITE: THE UTILISATION OF NYPA FRUTICAN FOR SHORT TERM PLASTIC PACKAGING	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
226	IR.TS.DR. MOHAMAD SYAHMIE BIN MOHAMAD RASIDI, ASSOC.PROF.TS.DR. ROZYANTY BINI RAHMAN, TS.DR. LUQMAN BIN MUSA, ABDUL RAHIM BIN KASSIM, LIM ZHI HOU	UniMAP	REVIVAL MATS: THE USE OF EPDM WASTE TO PRODUCE MULTIPURPOSE RUBBER FLOOR MATS	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
227	DR. MEOR AHMAD FARIS MEOR AHMAD TAJUDIN PROF. DR. MOHD MUSTAFA AL BAKRI ABDULLAH TS. DR. MOHAMMAD FIRDAUS ABU HASHIM MUHAMMAD FAHEEM MOHD TAHIR TS. DR. SYAMIR ALIHAN SHOWKAT ALI TS. DR. MOHD WAFI NASRUDIN	UniMAP	HIGH PERFORMANCE GREEN CONCRETE FOR RAILWAY SLEEPERS	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
228	DR. NUR LIZA RAHIM, ASSOC. PROF. TS. DR. IRNIS AZURA ZAKARYA, DR. NORLIA MOHAMAD IBRAHIM, PN. ROSHAZITA CHE AMAT, MUHD FAKHRUL SAMAH	UniMAP	EM - CONCRETE (ECO-FRIENDLY MATERIAL CONCRETE)	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	

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229	TS DR NUZAIMAH MUSTAFA, NAFIS SYAHMI BIN ZAINAL AZALI, TS DR SYAHIBUDIL IKHWAN ABDUL KUDUS, DR YUSLIZA YUSUF, DR NADLENE BINTI RAZALI, DR MASTURA BINTI MOHAMMAD TAHA, TS DR MOHD ADRINATA SHAHARUZAMAN	UTeM	WOOD DUST RECYCLED PP COMPOSITES (R-WOPPC) FOR FDM FILAMENT	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
230	PROF. DR. WAN MOHD KHAIRUL BIN WAN MOHAMED ZIN, MAS BINTI MOHAMMED, DR. RAFIZAH BINTI RAHAMATHULLAH	UMT	THIF-EL: CONJUGATED ETHYNYLATED-CHALCONE AS PROMISING ELECTROLUMINESCENCE MATERIAL IN OLEDs	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	SPECIAL CATEGORY AWARD FOR CHEMICAL, ADVANCED MATERIAL & PLASTIC
231	DR. RAHIMAH BINTI EMBONG, ADLI HILMI BIN AZMI	UMP	ALBA- ALTERNATIVE BOTTOM ASH: GREEN CONSTRUCTION MATERIALS	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
232	DR. MASTURA MOHAMMAD TAHA, MOHD HAKIM MOHD NASIR, DR. NADLENE RAZALI, TS. DR. SYAHIBUDIL IKHWAN ABDUL KUDUS, DR. RIDHWAN JUMAIDIN, DR. NUZAIMAH MUSTAFA, TS. DR. MOHD ADRINATA SHARUZAMAN, DR. NORYANI MOHAMMAD	UTeM	ENAPOLYLA (ECO-FILAMENT FOR FUSED DEPOSITION MODELING)	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
233	DR. MOHD RIDUAN JAMALLUDIN, MAISARA NAZEEFA MOHD MAHAMUD, TS. DR. SITI KHADIJAH HUBADILLAH, DR. MARIAM MAJID, SITI NOR SUHAIDA RASMAN, SURAYA NAJIEHA KAMARUDIN, DR. SUMARNI MANSUR, TS. DR. MOHD RIDHWAN ADAM, PROF. DR. HAFIZ DZARFAN OTHMAN, NURUL JANNAH ISMAIL	UniMAP	B-MEMBRANE: SMART MEMBRANE SEPARATION FOR CLEAN WATER	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
234	TS. DR. NUR HIDAYAH AHMAD ZAIDI, TS. DR. SINAR ARZURIA ADNAN, DR. NUR MAIZATUL SHIMA ADZALI, DR. ZURAIWANI CHE DAUD, TS. HANDY ALI MUNIR, AN NUR ADILA ANUAR MUSHADDAD, SITI KHADIJAH SALIHIN, MUHAMAD KHALIF NOOR IDRIS.	UniMAP	440C STAINLESS STEEL FOR BEARING IN AUTOMATIVE APPLICATION.	CHEMICAL, ADVANCED MATERIAL & PLASTIC	BRONZE	
235	TS. DR. NUR HIDAYAH AHMAD ZAIDI TS. DR.. SINAR ARZURIA ADNAN DR. NUR MAIZATUL SHIMA ADZALI TS. HANDY ALI MUNIR SITI KHADIJAH SALIHIN AN NUR ADILA ANUAR MUSHADDAD MUHAMAD KHALIF NOOR IDRIS SHAIKH AHMAD KAMAL SHAIKH RAHMAT	UniMAP	440C STAINLESS STEEL IN BLADE APPLICATION	CHEMICAL, ADVANCED MATERIAL & PLASTIC	BRONZE	
236	DR. KHAIRUL ANWAR ABDUL HALIM, FARAH BADRUL, ASSOC. PROF. IR. DR. MOHD ARIF ANUAR MOHD SALLEH, ASSOC. PROF. TS. DR. AZLIN FAZLINA OSMAN, ASSOC. PROF. TS. IR. DR. MOHD FIRDAUS OMAR, MUHAMMAD SALIHIN ZAKARIA	UniMAP	SILVER FILLED FLEXIBLE CONDUCTIVE POLYMER COMPOSITES FOR SMART ELECTRONIC DEVICES APPLICATION	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
237	NURLIYANA NASRIN BINTI JUHARDI, TS. DR. MOHD NAZRY BIN SALLEH	UniMAP	ECO-COMPOSITE: HEAT TREATED ON RICE HUSK INTENDING TO ENHANCE MECHANICAL PROPERTIES OF PMC.	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
238	TS. ZAWAWI MAHIM, DR. ROHAYA OTHMAN, DR. EMEE MARINA SALLEH & SITI NOORZIDAH MOHD SABRI	JMG	COCONUT COIR AS NATURAL FILTER ON PRODUCING PRECIPITATED CALCIUM CARBONATE	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
239	TS. DR. ALIFF HISYAM BIN A RAZAK, TS. DR. AZRIN HANI BINTI ABDUL RASHID, TS. DR. SITY AISHAH BINTI MANSUR, TS. DR. NOR FAIZAH BINTI RAZALI	UTHM	BIODEGRADABLE & ANTIMICROBIAL NATURAL RUBBER LATEX GLOVE	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
240	ASSOCIATE PROFESSOR DR. MIDHAT NABIL BIN AHMAD SALIMI, ASSOCIATE PROFESSOR TS. DR. AZLIN FAZLINA BINTI OSMAN, ASSOCIATE PROFESSOR DR. NORSURIA BINTI MAHMED & TS. DR. WAN AZANI BIN WAN MUSTAFA	UniMAP	CARBON CAPTURE BY EGGSHELL WASTE	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	

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241	TS. DR. MOHD NATASHAH BIN NORIZAN, TS. ILI SALWANI BINTI MOHAMAD, ASSOC. PROF. DR. NORSURIA BINTI MAHMED, NURNAEIMAH BINTI JAMALULLAIL, TS. DR. NOR FARHANI BINTI ZAKARIA, KAISWARIAH A/P MAGISWARAN, SITI NORHAFIZAH BINTI IDRIS	UniMAP	ANTHOCYANIN AS PHOTSENSITIZER AND ZINC OXIDE AS PHOTOANODE FOR DYE-SENSITIZED SOLAR CELLS	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	BEST AWARD 3RD PLACE
242	PROF. MADYA. DR. FAIZATUL SHIMAL MEHAMOD, NUR HABIBAH SAFIYAH BT JUSOH & PROF. DR. MARINAH MOHD ARIFFIN	UMT	ADSORPTION OF TRYP-IP IN AQUEOUS MEDIUM	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
243	TS DR NUR HIDAYAH AHMAD ZAIDI TS DR SINAR ARZURIA ADNAN DR NUR MAIZATUL SHIMA ADZALI DR ZURAWANI CHE DAUD PM DR KHAIREL RAFEZI AHMAD TS HANDY ALI MUNIR HUSNA MAT SALLEH	UniMAP	PREDICTION ON HARDNESS OF AZ91 REINFORCED CNT BASED ON JMA EQUATION	CHEMICAL, ADVANCED MATERIAL & PLASTIC	BRONZE	
244	DATO PROF. TS. DR. MOHD IDRUS HAJI MOHD MASIRIN, ASHAR BIN KASALAN, AHMAD HARITH AKMAL BIN AHMAD BADRUDDIN, PM DR. MOHAMAD SUKRI BIN MUSTAFA, CHE HASNAH BINTI MAHMOOD, IR. DR. SRI WIWOHO MUDJANARKO, DR. MUHAMMAD IKHSAN SETIAWAN, MS AININ SHOFIYAH	UTHM	CARBAN TRAPPER: INNOVATIVE ECO-FRIENDLY RIVER CLEANSER	CHEMICAL, ADVANCED MATERIAL & PLASTIC	SILVER	
245	DATO PROF. TS. DR. MOHD IDRUS HAJI MOHD MASIRIN, ASHAR BIN KASALAN, AHMAD HARITH AKMAL BIN AHMAD BADRUDDIN, AR. HAZRI BIN ABDUL AZIZI, PM DR. MOHAMAD SUKRI BIN MUSTAFA, AKMAL BIN ABDUL RAHMAN, MDM NORSHAKINAH BINTI SAMSUDDIN, MS AININ SHOFIYAH	UTHM	FCF WALL PANEL: INNOVATION FOR TRANSIT MODULAR HOUSE	CHEMICAL, ADVANCED MATERIAL & PLASTIC	GOLD	
246	TS. DR NOR AZIZAH BT PARMIN, NUR FAREEZAH NADHIRAH BT JAAPAR, DR NUR HAMIDAH BT ABDUL HALIM, PROF. TS. DR. UDA HASHIM, ASSOC. PROF. DR SUBASH C.B. GOPINATH, MUHAMMAD NUR AIMAN BIN UDA, FATIN SYAKIRAH BINTI HALIM	UniMAP	MULTI-DETECTION OF DNA HPV BIOSENSOR VIA FUNCTIONALIZATION OF DEEP EUTECTIC SOLUTION (DES) FOR EARLY DETECTION OF CERVICAL CANCER	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	GOLD	
247	MR CHUNG-MING TAN, DR BOON-BENG LEE, TS DR KHAIRUL FARIHAN KASIM, DR NOR HIDAWATI ELIAS, TS MAHFUZ AFFIF MOHD RUSLAN, MR MOHD KHAIRUL YAË™™ KUB	UniMAP	MONODISPERSE LACTOCAPSULES FRUIT JUICE	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
248	TS DR ANAS BIN ABDUL RAHMAN, MUHAMMAD FIRDAUS BIN AZMAN, DURATUL AISYA BINTI MOHD ADZHA, MUHAMMAD SYAKUR BIN MOHD SABRI, NUR SYUHADA BINTI AHMAD FARID, DR NORADINA BT NORDIN	UniMAP	SMART WALKING STICK FOR ELDERLY PEOPLE	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
249	TS. MUHAMAD HAFIZ MASRAN, TS. DR. WAN NOR MUNIRAH ARIFFIN, YM PROF. DR. HJH RAJA SUZANA RAJA KASIM, NUR ARIF AZEZAN, MUHAMMAD SUHAIMI ANNUAR ZAINI, AND TS. DR. MOHAMAD FADZLI RAMLI	UniMAP	AI-BASED ROUTE PLANNING FOR A SUSTAINABLE HEALTHCARE SUPPLY CHAIN	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
250	NATASHA YASMIN BINTI HASNOL AZAHARI, NARESH SANDRASEKARAN, DR. SIEW HOONG SHUIT TS. DR. KUNASUNDARI BALAKRISHNA	UniMAP	IMMOBILIZATION OF CELLULASE ON MAGNETIZED MULTIWALL CARBON NANOTUBES (M-MWCNTS) SYNTHESIZED VIA ECO-FRIENDLY (WATER BASED) METHOD	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
251	TS. AHMAD MUKHLIS BIN ABDUL RAHMAN, NURUL AINI SUFIAH BINTI MOHD DIN, JOHAN ARIFF BIN MOHTAR, DR. NOOR HASYIERAH MOHD SALLEH, NORHIDAYAH ABD AZIZ, DR. AMIRUL RIDZUAN ABU BAKAR	UniMAP	DETECTION METHOD FOR POST-HARVEST DISEASE MICROORGANISM, PENICILLIUM CITRINUM, BY IN SILICO ANALYSIS AND POLYMERASE CHAIN REACTION (PCR)	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
252	RYAN VITTHAYA PERON, MOHD RIZUAN MANSOR, DR. MOHD SHAHRIZAN MD SARIP, DR. AMIRUL RIDZUAN ABU BAKAR	UniMAP	CHARACTERIZATION OF SPRAY-DRIED ORYZA SATIVA BRAN EXTRACTS USING PHYTOCHEMICAL TECHNIQUES FOR THERAPEUTIC DISCOVERY	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	BRONZE	

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253	MOHD MARZUKI BIN MOHAMED, TS. DR. HANIDA BINTI ABDUL AZIZ	UMP	THE CHEMICAL EXPERT TOOL BASED ON OCCUPATIONAL SAFETY & HEALTH (USE & STANDARD OF EXPOSURE OF CHEMICALS HAZARDOUS TO HEALTH) REGULATIONS 2000 "A TOOL FOR SMALL & MEDIUM ENTERPRISE"	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
254	DR. NUR HAZWANI BINTI MOKHTAR, TS DR NUR FATIHAH BINTI AZMI, DR MOHD FAUZI BIN MAMAT, FEBRIAN BIN IDRAL, TS. LUQMAN HAKIM BIN HAMZAH, NOR AZINEE BINTI SAID, NOR ASLILY BINTI SARKAM	UTeM	HEATSTROKE SENSOR DEVICE - VHSD	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	GOLD	
255	NUR FARAHALYA BINTI RAZHALI TS. DR. ISHKRIZAT BIN TAIB MOHAMAD SADDAM BIN KAMARUDIN NUR AMANI HANIS BINTI ROSEMAN ENCIK AHMAD FAIZ MAT ZIAN TS. DR. AHMAD MUBARAK BIN TAJUL ARIFIN DR. NOFRIZALIDRIS BIN DARLIS ENCIK IBRAHIN ISMAYATIM	UTHM	ANALYSIS OF HEMODYNAMIC EFFECT OF DIFFERENT STENT STRUT CONFIGURATION ON FEMORAL POPLITEAL ARTERY	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
256	WONG TZE CHIN, JOEL JACOB, NOR NAJMA ZULAIKHA BINTI SHAIDAN, SYAMIN SYAHIRA BINTI MOHD ARIFF, MALINI A/P MURUGAIAH	UniMAP	SOFTWARE-BASED AUTOMATED GAIT ANALYSIS SYSTEM (GAIT10)	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	BRONZE	
257	TS. AHMAD MUKHLIS BIN ABDUL RAHMAN, ASSOC. PROF. DR. ZARINA ZAKARIA, DR. KHADIJAH HANIM BINTI ABDUL RAHMAN, KHOR HUI XUAN	UniMAP	A MOLECULAR APPROACH TO EVALUATE GENETIC POLYMORPHISM OF HARUMANIS AND NON-HARUMANIS MANGO VARIETIES BY CONSERVED DNA-DERIVED POLYMORPHISM (CDDP) PRIMERS	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	GOLD	
258	DR. MOHD FAIDZ MOHAMAD SHAHIMIN, DR. AMIRUL RIDZUAN ABU BAKAR	UniMAP	HARUMANIS LEAVES EXTRACT AS POTENTIAL ORGANIC ANTISEPTIC AGENT	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
259	TS. DR. CHE WAN SHARIFAH ROBIAH BT MOHAMAD, ASSOC. PROF. IR. TS. DR. MOHD RIDZUAN BIN MOHD JAMIL, ASSOC. PROF. IR. TS. DR. MOHD SYUKRY BIN ABDUL MAJID, AND IFFA NADIA MOHD NASIR	UniMAP	PVA/AF HYDROGEL	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	BRONZE	
260	TS DR WAN AZANI WAN MUSTAFA, MUHAMMAD ARRIF AMIRUL BIN AZMI, PROF MADYA DR. SYED ZULKARNAIN BIN SYED IDRUS, PROF MADYA DR HASLIZA A RAHIM @ SAMSUDDIN, PROF MADYA DR MIDHAT NABIL AHMAD SALIMI, TS DR MOHAMAD NUR KHAIRUL HAFIZI ROHANI	UniMAP	BREAST CANCER DETECTION WITH SMART MONITORING SYSTEM	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
261	TS DR WAN AZANI WAN MUSTAFA, KHAIRUL NIZAM BIN ABDUL RAZAK, TS DR MOHD AMINUDIN BIN JAMLOS, TS ILHAM SHAFINI BINTI AHMAD MAHYUDIN, TS DR MOHD WAFI NASRUDIN, DR AIMI SALIHAH ABDUL NASIR, DR "AHMAD SHIDKI MAT YUSOFF"	UniMAP	A SMART DETECTION AND CLASSIFICATION FOR ENDOMETRIAL CANCER MONITORING SYSTEM	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	GOLD	
262	DR. ANAS MOHD NOOR, MR. MAZLEE MAZALAN, DR. SHAZLINA JOHARI, DR. NORHAYATI SABANI, PM. DR. ZULKARNAY ZAKARIA, DR. AHMAD NASRUL NORALI AND PM DR. YUFRIDIN WAHAB	UniMAP	A NOVEL MICROFLUIDIC CELL SORTER DEVICE FOR HIGH-SPEED CONTINUOUS BLOOD CELL SEPARATION	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	GOLD	
263	DR. NUR FARAHYAH BINTI MOHAMMAD, POH YI CHENG, MUHAMMAD SHAHRIZWAN BIN SOHIMI, NOR FATIHAH BINTI ZULKEFLE, NUR NABILLA BINTI SHAHARIN, NURSYAHIRAH BINTI JAMALUDIN	UniMAP	SURGICAL LIGHT ASSISTING DEVICE (SLAD)	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
264	DR. AZIAN AZAMIMI ABDULLAH, PROF. MADYA DR HANIZA YAZID, MUHAMMAD ZAINUL ARIF BIN AHMAD ZAKI, NUR FATINI BINTI ROSLI, SITI NUR ASYIQIN BINTI RUSLI, CINDY ONG HUI YEN	UniMAP	SMART VACUUM ASSISTED CLOSURE (SVAC) DEVICE	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	

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265	NORDIANA BINTI SHARIFFUDIN SITI NUR AIN BINTI AZIZ TS. DR. SITI NURUL AQMARIAH BT MOHD KANAFIAH DR. NURUL SYAHIRAH BINTI KHALID TS. DR. MOHD ZAMRI BIN HASAN KHAIRUL FAZIZUL BIN MAT DRIS	UniMAP	IOT-BASED SMART HEALTHCARE MONITORING SYSTEM	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
266	DR. STEVEN TANISELASS; PM. DR. IR. MOHD.KHAIRUDDIN; PM. DR. SUBASH GOPINATH; DR. MOHD FARIS FATHIL; TS. DR. KUMUTHAWATHE;	UniMAP	IMPEDIMETRIC IMMUNO NANOSENSOR FOR EARLY RECOGNITION OF HEART ATTACK	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
267	ASSOC PROF DR ASRAL BIN BAHARI JAMBEK, PROF DR UDA HASHIM, TEH YI JUN,	UniMAP	LOW COMPLEXITY ECG ANALYZER ALGORITHM FOR SYSTEM-ON-CHIP APPLICATION	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
268	ASSOC PROF DR ASRAL BIN BAHARI JAMBEK, KHAIRUL ANUAR BIN MAT SAID	UniMAP	DNA MICROARRAY IMAGE ANALYSER FOR SYSTEM ON CHIP APPLICATION	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	BRONZE	
269	ASSOC. PROF. DR. SUBASH C. B. GOPINATH, HEMAVATHI KRISHNAN	UniMAP	ARCHIMEDEAN NANO-MIP SENSOR: A PRE-OPERATIVE ASSESSMENT TOOL FOR INHERITED AND ACQUIRED COAGULOPATHY DIAGNOSIS	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	GOLD	BEST CATEGORY AWARD FOR BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH
270	DR. MOHAMAD FARIS MOHAMAD FATHIL, DR. CONLATHAN IBAU, ASSOC. PROF. IR. DR. MOHD KHAIRUDDIN MD ARSHAD, ASSOC. PROF. DR. PEDRO ESTRELA, ASSOC. PROF. DR. MOHAMMAD NUZAIHAN MD NOR, ASSOC. PROF. DR. SUBASH CHANDRA BOSE GOPINATH, PROF. TS. DR. UDA HASHIM	UniMAP	MODIFIED INTERDIGITATED MICROELECTRODES FOR PROSTATE CANCER BIOMARKER DETECTION	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	GOLD	
271	NOR AQILAH HABRUN, EN. AHMAD MUKHLIS ABDUL RAHMAN, DR. MOHD FAIDZ MOHD SHAHIMIN, DR. AMIRUL RIDZUAN ABU BAKAR	UniMAP	PHARMACOGNOSTIC ELUCIDATION OF HARUMANIS LEAF EXTRACTS FOR THERAPEUTIC DISCOVERY	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
272	DR. AZALINA MOHAMED NASIR, NOOR HIDAYAH ISHAK, LEE JIA YEE, NUR FARHANAH SAMRAT	UniMAP	FABRICATION OF SURFACE GRAFTED EPITOPE IMPRINTING BY SOL-GEL METHOD ON SILICA FOR HEPARIN PURIFICATION	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
273	TS. MAZLEE BIN MAZALAN, ASSOC. PROF. TS. DR. YUFRIDIN BIN WAHAB, DR. ANAS BIN MOHD NOOR, DR. WAN SAFWANI BINTI WAN KAMARUL ZAMAN, MUHAMMAD RUHAIZIE BIN FARIDIL ATRAS, MOHD NABIH BIN AHMAD BASRI	UniMAP	FINE TUNING CELL MIGRATION USING STANDING SURFACE ACOUSTIC WAVE (SAW) DEVICE	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	GOLD	
274	IR. DR. ABDUL RAFEQ SALEMAN, DR HISYAM ABDUL HAMID, MAZLEE MAZALAN, DR. NOREEN HUSSAIN, DR. NUR HAZWANI MOKTHAR, DR. NOR ASLILY SARKAM	UTeM	MUST	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
275	TD. DR. MOHD HAFIEZAL BIN MOHD RADZI, SAW SHI NUO	UniMAP	ANTI-BACTERIAL DISINFECTION WIPER FOR SHOPPING CART HANDLE	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	BRONZE	
276	DR. ROSWATI MD AMIN (MAIN PRESENTER), ERQA SHAZIRA SOHAIMI, ASSOC. PROF. TS DR KESAVEN A/L BHUBALAN, DR MAIZAH MOHD ABDULLAH, ABDUL MANAF AHMAD, ANNISA NURSABRINA JAAPAR	UMT	NICOTOX: MARINE MICRO-MODEL FOR ECOTOXICITY TESTING	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	GOLD	

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277	ARVENRAJ KANDIAH, TS. AFZAN BINTI KAMARUDIN, IR. TS. DR. RAZAIDI BIN HUSSIN, TS. WAN AZLIANAWATI WAN AZIZ, TS. NORLIDA ABU BAKAR, TS. FARADILLA AZIZ, TS. MOHD ROSYDI ZAKARYA	UniMAP	I-CHECK: A LOW-COST HEALTH CHECKER USING ARDUINO	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
278	NURZAHIRA AHMAD ZABIDI, KING DIAW A/L EH SUT, ASSOC. PROF. TS. DR. SITI KHADIJAH ZABA, TS. DR. CHE WAN SHARIFAH ROBIAH BINTI MOHAMAD, REDZA IESKANDAAR BIN MASIMAN, ZULAIKA ABDULLAH, SITI IZANI BINTI IDRIS AND SAIFUL BIN MOHAMED SHUIB	PTSS	ATMOSPHERIC AIR PLASMA(AAP)PTSS	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	GOLD	SPECIAL CATEGORY AWARD FOR BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH
279	TS. DR. MOHD WAFI NASRUDIN, NURFATIN SYAHIRAH AHMAD ZAINUDDIN, TS. DR. SYAMIR ALIHAN SHOWKAT ALI, DR. AMIR NAZREN ABDUL RAHIM, DR. LEOW WAI ZHE, TS. DR. WAN AZANI MUSTAFA	UniMAP	SMART MANAGEMENT WAITING SYSTEM FOR OUTPATIENT CLINIC	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
280	TS. DR. SYAMIR ALIHAN SHOWKAT ALI, MUHAMAD HAFIZUDDIN ABDUL MANAS, TS. DR. MOHD WAFI NASRUDIN, DR. MEOR AHMAD FARIS MEOR AHMAD TAJUDIN	UniMAP	HELMHOLTZ RESONATOR: A RENEWABLE LOW-FREQUENCY ACOUSTIC ENERGY HARVESTER	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	
281	DR SHAHIDAH ARINA SHAMSUDDIN, NUR ATHIRAH SHAHRIM, ASSOC. PROF. DR MOHD NAZREE DERMAN, ASSOC. PROF. DR FOO KAI LOONG, ASSOC. PROF. DR SUBASH C.B. GOPINATH, MOHAMAD IZHA ISHAK, JURI CHE HAT, ASSOC. PROF. DR MOHD KHAIRUDDIN MD ARSHAD, DR NUR HIDAYAH AHMAD ZAIDI	UniMAP	ACTIVATED RICE HUSK CARBON BASED ELECTRODE BIOSENSOR FOR DNA DETECTION AND EARLY SCREENING DISEASES	BIOTECHNOLOGY, MEDICAL DEVICE, PHARMACEUTICALS & HEALTH	SILVER	