

# STAFF CATEGORY

BOOTH ID	AWARD	NAME	TITLE	CATEGORY
120-J	BRONZE	HADI MANAP,WAN MOHAMAD SHAFIQ WAN SALLEH,NURULAIN NADHIRAH SHAIPUZAMAN	USED COOKING OIL OPTICAL SENSOR (UCOOS)	STAFF CATEGORY
121-M	SILVER	ABDUL SAHLI BIN FAKHARUDIN,IZYAN HUSNA BINTI IBRAHIM,ROSMALISSA BINTI JUSOH,SYAHRULANUAR BIN NGAH,MOHD AZWAN BIN MOHAMAD @ HAMZA	INTEGRATED DEVELOPMENT AND APPLICATION HOSTING - INDAH	STAFF CATEGORY
122-E	BRONZE	HAZRULRIZAWATI ABD HAMID,NOR ARIFAH MAT NOR,NAZIKUSSABAH ZAHARUDIN,AIZI NOR MAZILA RAMLI	INSTAKOMBU TEA	STAFF CATEGORY
123-O	GOLD	ASSOC. PROF. DR. JAYA VEJAYAN ,ASSOCIATE PROFESSOR DR JAYA VEJAYAN,AHMAD BIN MOHD FARID,SHARIFAH AMINAH BINTI TUAN SAID,ASSOC. PROF. DR. HASAN BIN AHMAD	MEN HEALTH GIFT (MHG): LEAD COMPOUNDS IN TABLETS FROM THE LESSER KNOWN TONGKAT ALI PLANTS FOR THE WELLBEING OF AGING MEN	STAFF CATEGORY
124-H	GOLD	PROF MADYA DR. LEE CHIA KUANG,FONG YUNN EE	STRATEGY IMPACT MATRIX SIMULATOR (SIMS) BASED ON DEMATEL ALGORITHM	STAFF CATEGORY
125-M	GOLD	FERDA ERNAWAN,AFRIG AMINUDDIN,MOHSIN ISMAIL	MYPDF: AUTHENTICATION & SELF-RECOVERY SOFTWARE	STAFF CATEGORY

126-O	GOLD	HAJAR FAUZAN AHMAD,HAJAR FAUZAN AHMAD,NOR HUSNA BINTI MAT HUSSIN,AHMAD MAHFUZ GAZALI,MOHD FAZLI BIN FARIDA ASRAS,AZIZAN BIN RAMLI	TRIUMPH MEDICO: NEXT-GENERATION DIAGNOSTIC TOOLS FOR SEPSIS DETECTION	STAFF CATEGORY
127-N	BRONZE	MOHD HILMY NAIM BIN MOHD YAKIN,PROF. -ING. DR. NIK ABDULLAH NIK MOHAMED,ASSOC. PROF. TS. DR. MOHD RUZAIMI BIN MAT REJAB,DR. OLAF WECKNER,MOHD QAYYUM AKBAR BIN ABDUL HALIM	A MATLAB BASED GRAPHICAL USER INTERFACE (GUI) TO PREDICT DAMAGE BEHAVIOUR UNDER COMPRESSION USING NEW DAMAGE MODEL	STAFF CATEGORY
128-D	CERTIFICATE	SUZIYANA MAT DAHAN,SHARRVEN RAO A/L SIVASAMBA RAO,WONG SZE YUN,ELIS SYAFINA BINTI TARMIZI,NORASHIKIN BINTI JALANI	AN ECO-SMART HIKING STICK	STAFF CATEGORY
129-N	SILVER	TS. DR. NURJANNAH BINTI SALIM,DR. RASIDI BIN ROSLAN,DR. NURUL HUDA BINTI ABU BAKAR	HYDROPHOBIC PARTICLEBOARD FROM SEAWEED WASTE FIBER FOR PANELING PRODUCT (KAPPABOARD)	STAFF CATEGORY
130-F	SILVER	SHOAIB MD SHAHNEWAZ,TS. DR. KHAIRIL AZMAN MASRI,ASSOC. PROF. DR. MUZAMIR HASAN,ASSOC. PROF. IR. DR. CHIN SIEW CHOO,TS. DR. NADIATUL ADILAH AHMAD ABD GHANI,RASHIDA FERDAUS	INVIGORATING BAMBOO PAVE	STAFF CATEGORY

131-I	BRONZE	SUZIYANA MAT DAHAN, ABDULLAH WAFIQ MOHAMAD KHALIM, MUHAMMAD AMSYAR ABDULLAH, MUHAMMAD IZZ ZIKRY SYAKIRIN MOHAMED RADZI, MUHAMAD SYAMIL AHMAD KADRI, MOHAMAD FAIZUL ASSRAF MOHD DASAN & MUHAMMAD AIZAT ZULMAWI	GREENIOUS PORTABLE INCINERATOR FOR GREEN SCAPING	STAFF CATEGORY
132-F	SILVER	BAQADEEM ABDULLAH OMAR ABDULLAH, TS. DR. KHAIRIL AZMAN MASRI, TS. DR. MAZLAN ABU SEMAN, SALEM MOHAMMED SALEM AL-JARIRI, LEE PEI MOON, ASSOC. PROF. DR. RAMADHANSYAH PUTRA JAYA	IRON PAVE	STAFF CATEGORY
133-H	GOLD	MOHD SUHARDI BIN MAT JUSOH, MOHD SUHARDI BIN MAT JUSOH, NOORHUZAIMI @ KARIMAH BINTI MOHD NOOR, MOHD NORDIN BIN SAMAH, ABDUL KAMIL BIN JAMALUDIN, MOHD MOHSIN BIN ISMAIL	E-SPM ( SISTEM PENGURUSAN MASJID )	STAFF CATEGORY
134-I	SILVER	MOHD ZULKIFLI MOHAMAD NOOR, MUHAMAD HAFEEZ IZZUDEEN BIN AHMAD ZAKI, AMZAR AISAR BIN ABDULLAH	THE DEVELOPMENT OF NANOPARTICLE TRANSPORT IN POROUS MEDIUM FOR FLUID FLOW FORMATION MOVEMENT USING CFD.	STAFF CATEGORY
135-L	GOLD	TS DR YASMIN ABDUL WAHAB, AIN EAZRIENA BINTI CHE MAN, TS DR NURHAFIZAH BINTI ABU TALIP@YUSOF, PM DR MOHD MAWARDI B SAARI, DR SUZANNA BINTI RIDZUAN AW	MODELING OF AN INVASIVE ELECTRICAL CAPACITANCE TOMOGRAPHY TECHNIQUE FOR EVALUATING THE CONCENTRATION PROFILE IN THE CONDUCTING PIPE	STAFF CATEGORY

136-J	GOLD	MOHD HAFIZI ZOHARI,MOHD PADZLY BIN RADZI,IHSAN NAIMAN BIN IBRAHIM	MULTI-PARAMETER SENSOR NETWORK SYSTEM (M-SENSYS)	STAFF CATEGORY
137-M	SILVER	PROF MADYA IR. TS. DR. DEVARAJAN A/L RAMASAMY,ANBANANTHAN PILLAI A/L MUNANDAY,PROF. MADYA IR. TS. DR. WAN SHARUZI BIN WAN HARUN,PROF. IR. DR. MOHD FAIZAL BIN JAMLOS,PROF. MADYA IR. TS. DR. KUMARAN KADIRGAMA,TS. DR. NORAZLIANIE BINTI SAZALI	PRETRAINED TRANSFER LEARNING BASED DEEP LEARNING MODELS FOR HUMAN FACIAL EXPRESSIONS RECOGNITION	STAFF CATEGORY
138-J	SILVER	ZULKIFLY BIN MOHAMMAD @ AB AZIZ,MOHD MAWARDI SAARI,CHIN SIM YEE,MD. MAKSUDUR RAHMAN KHAN	FLUIDIZED WIRELESS LED REACTOR FOR PHOTOCATALYTIC OXIDATION OF WASTEWATER	STAFF CATEGORY
139-J	SILVER	MOHD MAWARDI SAARI,MOHD HERWAN SULAIMAN,MOHD RAZALI DAUD,AMIR IZZANI MOHAMED,AHMAD SALIHIN SAMSUDIN,HAMZAH AHMAD	A BENCHTOP AC MAGNETOMETER FOR MAGNETIC NANOPARTICLE APPLICATIONS	STAFF CATEGORY
140-N	BRONZE	DR WAN NORFAZILAH WAN ISMAIL,HARTINA MOHD YUSOP,NURUL HIDAYAH ABU BAKAR,N/A,N/A,N/A	ANTIBACTERIAL COATING FOR FABRIC	STAFF CATEGORY
141-I	SILVER	ASSOCIATE PROFESSOR TS. DR. AMIR BIN ABDUL RAZAK,MUHAMMAD AMIRUL AZWAN AZMI, AHMMAD SHUKRIE MD YUDIN,AHMAD FADZIL SHAROL	LOW TEMPERATURE SWIRLING SOLAR DRYING CHAMBER (SSDC)	STAFF CATEGORY
142-B	SILVER	AHMAD RAZLAN YUSOFF,NORLIDA JAMIL,AHMAD SHAHIR SULAIMAN	INDIRECT SURFACE QUALITY CONDITION MONITORING SYSTEMS	STAFF CATEGORY

143-N	BRONZE	DR NURUL HUDA BINTI ABU BAKAR, CIK NURUL FATIHAH BINTI NORAPANDI, DR NURJANNAH BINTI SALIM, PROF DR CHONG KWOK FENG	SHEET-SIZE DOMINATED OF GRAPHENE OXIDE/ZINC OXIDE (GO/ZNO) NANOCOMPOSITE AS PROTECTIVE COATINGS FOR COPPER	STAFF CATEGORY
144-N	BRONZE	SITI NOOR HIDAYAH BINTI MUSTAPHA, MOHD ISMAIL MOHD ISA	PALMSHIELD: HYDROPHOBIC PALM OIL-BASED COATING	STAFF CATEGORY
145-I	GOLD	TS DR NURUL NADRAH AQILAH BT TUKIMAT, WAN ZUNAIRAH BINTI OTHMAN, WAN AMIRUL SYAHMI BIN WAN MAZLAN, DR MUHAMMAD @ S.A KHUSYREN BIN SULAIMAN, DR NUR FARHAYU BT ARIFFIN, DR ABDUL SYUKOR BIN ABD RAZAK	WALES SIMULATOR	STAFF CATEGORY
146-I	SILVER	TS DR NURUL NADRAH AQILAH BT TUKIMAT, WAN AMIRUL SYAHMI BIN WAN MAZLAN, WAN ZUNAIRAH BINTI OTHMAN, DR ABDUL SYUKOR BIN ABD RAZAK, TS DR NUR FARHAYU BT ARIFFIN, PROF MADYA DR SITI NAZAHYAH BT RAHMAT	IIUVIA CONVERTER	STAFF CATEGORY
147-I	SILVER	AZAHANI NATASHA BINTI AZMAN, NUR SOFIA IDAYU BINTI DIDIK APRIANTO, NURFARHANA BINTI MUSTAFA, RUDRAA DEVI A/P GIAMASROW, TS. DR. NURHAFIZAH BINTI ABU TALIP@YUSOF, DR. MOHAMAD SHAIFUL BIN ABDUL KARIM	NEW POTENTIAL ANTENNA SUBSTRATE FROM ANANAS COMOSUS WASTE	STAFF CATEGORY
148-N	BRONZE	NURUL SHUHADA BT HAJI MOHAMED, TS DR JULIAWATI BINTI ALIAS	MICROENCAPSULATED CHITOSAN FOR ECO FRIENDLY AND SMART PAINT	STAFF CATEGORY

149-A	GOLD	IR. TS. DR. NORAZLIANIE BINTI SAZALI, ARJUN A/L ASOGAN, TS. DR. NUR HASHIMAH BINTI ALIAS, PROF. MADYA IR. DR. MOHD FAIRUSHAM BIN GHAZALI, DR. RAIHANA ZAHIRAH BINTI EDROS, DR. FARHAN BINTI MOHD SAID	MORINGA OLEIFERA SP. FLAVOR INFUSION ON MODIFIED GHEE/CLARIFIED BUTTER	STAFF CATEGORY
150-I	GOLD	PROFESSOR DR. ABDURAHMAN HAMID NOUR, PROFESSOR DR. ROSLI MOHD YUNUS, ASSOCIATE PROFESSOR DR. AZHARY HAMID NOUR, ALI HASSAN ABDULRAHMAN AL-SAGGAF, MR. MOHD ARMAN BIN KADIR	LOW-PRICED AND ECO-FRIENDLY NATURAL SURFACTANT FOR STABILIZING AND TRANSPORTING CRUDE OIL EMULSIONS	STAFF CATEGORY
151-I	SILVER	PROF. DR. ABDURAHMAN HAMID NOUR, AIMAN AWADH SALEH BIN MOKAIZH	THE POTENTIAL OF C. GILEADENSIS EXTRACT FOR HEALTH, ENVIRONMENT AND ECONOMIC EXTRACTED VIA MICROWAVE TECHNOLOGY	STAFF CATEGORY
152-I	BRONZE	NURASHIKIN BINTI YAACOF, FARIHA NAJWA BINTI AZAHAR, MOHAMAD AMIR EIMAN BIN A RAMAN	PEAT SOIL AS NATURAL ADSORBENT TO REDUCE MALODOUR PROBLEM AT PALM OIL MILL EFFLUENT (POME)	STAFF CATEGORY
153-N	SILVER	IR. TS. DR. NORAZLIANIE BINTI SAZALI, DR. WAN NORHARYATI BINTI WAN SALLEH, PROF. DATUK DR. AHMAD FAUZI BIN ISMAIL, DR. FATEN ERMALA BINTI CHE OTHMAN, PROF. DATIN DR. MIMI SAKINAH BINTI ABDUL MUNAIM	REFINED CARBON MOLECULAR SIEVE MEMBRANE FOR ADVANCED MULTIPLE GAS PERMEATION PERFORMANCE	STAFF CATEGORY

154-O	GOLD	TS. DR. MOHD RIDUWAN BIN GHAZALI,KAVINDRAN SURESH,TS. DR. WAN ISMAIL BIN IBRAHIM,PM. TS. DR. MOHD ASHRAF BIN AHMAD,MOHD FALFAZLI BIN MAT JUSOF,TS. WAN HASSAN BIN WAN HAMAT	SMART PORTABLE SUCTION CUPPING	STAFF CATEGORY
155-C	SILVER	DEVARAJAN RAMASAMY,KUMARAN KADIRGAMA,MUSTAFIZUR RAHMAN ,WAN SHARUZI WAN HARUN,MAHENDRAN SAMYKANO,MUHAMAD MAT NOOR	HEAT-TECH BIO-LUBRICANT FOR ENGINES	STAFF CATEGORY
156-H	SILVER	TS. AZMA ABDULLAH,DR. ZALILI MUSA,PM DR. ROHANI ABU BAKAR,DR. NOORLIN MOHD ALI,EN. RAJUTA YAHYA	ATTENDANCE MANAGEMENT SYSTEM: I-HADIR	STAFF CATEGORY
158-C	SILVER	KUMARAN KADIRGAMA,DEVARAJAN RAMASAMY, MD MUSTAFIZUR RAHMAN ,WAN SHARUZI WAN HARUN,MUHAMAD MAT NOOR,MAHENDRAN SAMYKANO	HYPER-HYBRID NANO COOLANT IN MACHINING	STAFF CATEGORY
159-M	GOLD	SYAFIQ FAUZI BIN KAMARULZAMAN,ISMAYUZRI BIN ISHAK,ISMAYUZRI BIN ISHAK,ISMAYUZRI BIN ISHAK,NUR IZZATY BINTI ARIFFIN	CONFINED EMERGENCY INTERCOM SYSTEM (CEISYS)	STAFF CATEGORY
160-M	SILVER	ZALILI BINTI MUSA,NURUL IZZATIE HUSNA BINTI MOHAMAD FAUZI,ROHANI BINTI ABU BAKAR	OBJECT TRACKING IN SURVEILLANCE SYSTEM	STAFF CATEGORY

161-I	GOLD	TS. DR.WAN ISMAIL BIN IBRAHIM,PROF. TS. DR. MOHD RUSLLIM BIN MOHAMED,TS. DR. MOHD RIDUWAN BIN GHAZALI,TS. WAN HASSAN BIN WAN HAMAT,MOHD NIZAM BIN ISA,MUHAMMAD FARIZ BIN ABU BAKAR	STANDALONE HYDROKINETIC ENERGY HARNESSING	STAFF CATEGORY
162-N	BRONZE	ZULHELMI BIN ISMAIL,ABU HANNIFA BIN ABDULLAH,AINIZAR BINTI MUSTAPA,WAN FARHANA BINTI W IDRIS	LIQUID-PHASE EXFOLIATION OF FEW-LAYER GRAPHENE IN BUTTERFLY PEA FLOWER SOLUTION	STAFF CATEGORY
163-F	GOLD	PROF MADYA DR. RAMADHANSYAH PUTRA JAYA,WAN NOOR HIN BINTI MIOR SANI,TS. DR. KHAIRIL AZMAN MASRI	HYBRID BINDER FOR SELF-HEALING ASPHALT	STAFF CATEGORY
164-N	BRONZE	SITI MAZNAH BINTI KABEB,MOHAMAD SHAFIQ BIN MOHD RAZMI,SITI NURATIQA SYAFIQA BINTI MUHAMAD HASLIZAN,NORHAYATI BINTI NORDIN,SITI NURATIQA SYAFIQA BINTI MUHAMAD HASLIZAN	SMART GREEN COMPOSITE	STAFF CATEGORY
165-O	SILVER	FARAH HANANI ZULKIFLI,NUR FATINI ILYANA BINTI MOHAMAT JOHARI,MUHAMMAD LOKMAN BIN MD. ISA,REDZUAN NUL HAKIM BIN ABDUL RAZAK ,JOSE RAJAN,MOHD FAUZI BIN MH BUSRA	NOVEL SUBSTRATE OF SILVER-FUNCTIONALIZE EDIBLE BIRD'S NEST SCAFFOLDS FOR DIABETIC WOUNDS	STAFF CATEGORY
166-F	SILVER	TS. DR. RAHIMAH BINTI EMBONG,MOHAMMAD YOUSEF ALBIAJAWI ,PROF. MADYA TS. DR KHAIRUNISA MUTHUSAMY	SUSTAINABLE CEMENT : "GIVE 'GREEN' A CHANCE"	STAFF CATEGORY



167-J	SILVER	DR MAHADZIR BIN ISHAK,DR AIMAN BIN MOHD HALIL,DR MOHD FADHLAN BIN MOHD YUSOF,DR MOINUDDIN MOHAMMED QUAZI, DR LUQMAN HAKIM BIN AHMAD SHAH	LARGE SCAN FIELD LASER SURFACE TEXTURING MACHINE WITH IN-SITU MONITORING	STAFF CATEGORY
168-K	SILVER	SULIANA BINTI AB GHANI,NURUL WAHIDAH BINTI ARSHAD,MUHAMMAD FAKHRU RAZI BIN HISHAM,KALAI ARASAN A/L SUBRAMANIAM,ROHANA BINTI ABDUL KARIM,MOHD FALFAZLI BIN MAT JUSOF	WIRELESS RAIN GAUGE	STAFF CATEGORY
169-A	GOLD	DR MOHD AZRAAI BIN MOHD RAZMAN,DR MUHAMMAD AMIRUL BIN ABDULLAH,MUHAMMAD NUR AIMAN BIN SHAPIEE,MOHD IZZAT BIN MOHD RAHMAN,NURUL SYAFIQAH BINTI ZAIDI,DR AHMAD NAJMUDDIN BIN IBRAHIM	AGRONETICS IOT BASED SMART FARMING SYSTEM	STAFF CATEGORY
170-J	SILVER	SYAFIQ FAUZI BIN KAMARULZAMAN,MUHAMMAD DANIAL BIN MOHAMAD RIZWAN	AI-POWERED CASHIER SYSTEM FOR BUFFET-STYLE DINING	STAFF CATEGORY
171-M	GOLD	SYAFIQ FAUZI BIN KAMARULZAMAN,MUHAMMAD AIDIL SYAZWAN BIN HAMDAN,MUHAMMAD AIDIL SYAZWAN BIN HAMDAN,NUR IZZATY BINTI ARIFFIN	AN ELEPHANT INTRUSION DETECTOR AND DETERRENT BASED ON ARTIFICIAL INTELLIGENCE	STAFF CATEGORY

172-O	BRONZE	NURUL AIEN BINTI ABD AZIZ ,DR NORAINA MAZUIN BINTI SAPUAN,PROFESOR MADYA DR PUTERI FADZLINE BINTI MUHAMAD TAMYEZ	PERFORMANCE MEASUREMENT MODEL FOR WAQF HEALTHCARE INSTITUTIONS	STAFF CATEGORY
173-A	SILVER	NUR SYAMIILA BINTI MOHD ARAFAH,DR. FARAH NURSHAHIDA BINTI MOHD SUBAKIR,DR. NURUL AINI BINTI MOHD AZMAN,PROF. MADYA DR. WAN MOHD FAIZAL BIN WAN ISHAK,EN. KHAIRUL AMRI BIN ABDUL AZIZ,DR. NAZIKUSSABAH BINTI ZAHARUDIN	GREEN FEED FORMULATION: A SUSTAINABLE ALTERNATIVE FOR POULTRY FEEDING	STAFF CATEGORY
174-H	SILVER	ASSOCIATE PROFESSOR DR CHENG JACK KIE,ASSOCIATE PROFESSOR DR PUTERI FADZLINE BINTI MUHAMAD TAMYEZ,ASSOCIATE PROFESSOR DR FAZEEDA BINTI MOHAMAD,DR ZETTY AIN BINTI KAMARUZZAMAN,DR MAIZURA BINTI MOHD ZAINUDIN,FARIDAH BINTI ZULKIPLI	A MANAGEMENT FLIGHT SIMULATOR FOR MANAGING COVID-19 IN MALAYSIA	STAFF CATEGORY
175-H	GOLD	MOHD ZAHID RIDZUAN BIN MOHD ZULKIFLY ,DR AHMAD IRFAN BIN IKMAL HISHAM	I-FADHILAH: SMART CALCULATOR FOR PREFERRED TIME OF ZOHOR AND ASAR	STAFF CATEGORY
176-J	GOLD	MUHAMMAD SYAWAL BIN MAT JAHAK,MOHD AZRI HIZAMI BIN RASID,DAING MOHAMAD NAFIZ BIN DAING IDRIS	INTEGRATED BASELINE-TEMPERATURE-MONITORING MOTOR CONTROLLER	STAFF CATEGORY

177-G	BRONZE	ROHANA ABDUL KARIM,HONG ZHUANG SHEN,NURUL ANNAS HAZUMDIN,NOR FARIZAN ZAKARIA,NURUL WAHIDAH ARSHAD	AUTOMATIC CHILD LEFT IN THE CAR NOTIFICATION	STAFF CATEGORY
178-H	SILVER	DR. NORATIKAH BINTI ABU,SITI AISHAH @ TSAMIENAH BINTI TAIB,TS. DR. AZLYNA BINTI SENAWI	FORMULATION OF FORECASTING MODEL FOR TOURISM INDUSTRY IN MALAYSIA	STAFF CATEGORY
179-I	SILVER	DR. NOOR SURAYA ROMALI,MUHAMMAD AFIQ BIN MOHD RADUAN,TS. DR. ABDUL RAHIMI ABDUL RAHMAN,TS. DR. LEE YONG SIANG,DR ABDUL SYUKOR ABD. RAZAK	I-FVIS: FLOOD VULNERABILITY INDEX SYSTEM FOR DISASTER RISK REDUCTION	STAFF CATEGORY
180-N	SILVER	ASSOCIATE PROFESSOR DR. FATMAWATI BINTI ADAM,NUR ANIS ALISYA BINTI KAMAROL ZANI,DR NURUL AINI BINTI MOHD AZMAN,TS. JOHARIZAL BIN JOHARI	WANGIE GEL: STRESS REDUCER	STAFF CATEGORY
181-G	SILVER	ASSOC. PROF. TS. DR. MOHD AZRUL HISHAM BIN MOHD ADIB,TS. DR. NURUL SHAHIDA BINTI MOHD SHALAHIM,MUHAMMAD RAFLI SALIM BIN HASAN RAZA,SYED SYAKIR BIN WAN ISMAIL	ERGONOMIC SMART THORACIC DESK FOR LOWER BACK PAIN	STAFF CATEGORY
182-I	SILVER	LAILA AMERA AZIZ,PM DR ABDUL RAHMAN BIN MOHD KASIM,PROF DR MOHD ZUKI BIN SALLEH,DR DENNIS LING CHUAN CHING,DR NUR SYAMILAH BINTI ARIFIN,DR SYAZWANI BINTI MOHD ZOKRI	MICROROTATING VISCOELASTIC FLUID OVER A POROUS BLUFF BODY: A MATHEMATICAL MODEL	STAFF CATEGORY

183-O	GOLD	NORAZALIZA BINTI MOHD JAMIL, SHAHIRAH ATIKAH BINTI MOHAMAD HUSNIN	VACCINE EFFECTIVENESS ESTIMATOR FOR COVID-19 USING GUI	STAFF CATEGORY
184-H	GOLD	LUQMAN HAKIM BIN AHMAD SHAH, MOHD HAZWAN BIN YUSOF, NASRUL HADI BIN JOHARI, AZIM BIN ARSHAD, LEE GIOK CHUI, AZRI BIN ALIAS	MANGA, RE-ENGINEERED: INNOVATIVE COMIC FOR LEARNING ENGINEERING SUBJECT	STAFF CATEGORY
186-G	SILVER	ASSOC. PROF. TS. DR. MOHD AZRUL HISHAM BIN MOHD ADIB, MUHAMMAD AFIQ FIRDAUS BIN MD ZIN	NON-INVASIVE PREEMIES CAR SEAT (PREECASE) FOR PRETERM MONITORING	STAFF CATEGORY
187-M	SILVER	JAMALUDIN SALLIM, ROZLINA MOHAMED, YUSNITA MOHAMED NOOR, SURAYA ABU BAKAR, SITI SUHAILA ABDUL HAMID	MYPERAHU: AN INTELLIGENT SCHEDULING AUTOMATION FOR SPORT FISHING APPLICATION	STAFF CATEGORY
189-G	SILVER	TS. SITI NORMAZIAH BINTI IHSAN, TS. DR. TUTY ASMAWATY ABD KADIR, SR. DR. NGAHZAIFA AB GHANI, DR. SYIFAK BINTI IZHAR HISHAM, PM DR. WAN AZDIE BIN MOHD. ABU BAKAR (IIUM), ROGER CANDA (UITM)	SERIOUS GAMES FOR CHILD GROWTH DEVELOPMENT	STAFF CATEGORY
190-N	BRONZE	MS NURULHUDA BINTI MOHAMED SHAH, MS NURULHUDA BINTI MOHAMED SHAH, DR IZAN IZWAN BIN MISNON, MR LING JIN KIONG	LITHIUM ION CAPACITOR @69WH/KG@1400W/KG	STAFF CATEGORY
191-I	SILVER	IR. DR. ARMAN BIN ABDULLAH, IR. DR.-ING. MOHAMAD RIZZA OTHMAN, TS. DR. ABDUL HALIM ABDUL RAZIK, ARMAN BIN ABDULLAH	MOBILE AIR POLLUTION CONTROL SYSTEM FOR CLINICAL WASTE INCINERATOR	STAFF CATEGORY

192-I	SILVER	IR. TS. DR. NORAZLIANIE BINTI SAZALI,HAZIQATULHANIS BINTI IBRAHIM,DR. WAN NORHARYATI BINTI WAN SALLEH,PROF. DATUK DR. AHMAD FAUZI BIN ISMAIL,DR. NUR HASHIMAH BINTI ALIAS	GRAFTED NANOCELLULOSE FOR COPPER REMOVAL FROM SYTHETIC WASTEWATER	STAFF CATEGORY
193-O	SILVER	PROFESSOR TS. DR. MOHD RASHID BIN AB HAMID,DR. WAQAS SAMI,DR. NADEEM SHAFIQUE BUTT,DR. TAHIR ANSARI,NOR AISHAH BINTI MOHD NASIR	DM-DC TOOL FOR ASSESSING HBA1C	STAFF CATEGORY
194-I	SILVER	MOHAMMAD ADAM ADMAN,NORSAFFARINA AZIZ,SYARIFUDDIN MISBARI,NURUD SURIA SUHAIMI,AZRINA ABD AZIZ,LIM FANG LEE	GEOSPATIAL APPROACH OF THE RELATIONSHIP BETWEEN SICK BUILDING SYNDROME AND PERCEIVED INDOOR AIR QUALITY AMONG WORK-FROM-HOME WORKERS IN KUANTAN	STAFF CATEGORY
195-E	SILVER	NORHAFIZAH MD SARIF,KUMARASAMY VITHYASANGAN,SITI NORFATIHAH BINTI ZULKIFLI ,MUHAMMAD KHAIRUL ANUAR MOHAMED,ADAM SAMSUDIN	MAGNETOHYDRODYNAMIC MICROPOLAR NANOFLUID FLOW OVER A WEDGE WITH CHEMICAL REACTION	STAFF CATEGORY
196-J	BRONZE	TS CHM DR AHMAD ZAMANI AB HALIM,TS. CHM DR NOR HAKIMIN BIN ABDULLAH,DR. NORSHAHIDATUL AKMAR BT MOHD SHOAIMI,DR. NURASMAT BINTI MOHD SHUKRI	REAL TIME MONITORING IOT WIRELESS CO2 SENSOR-ASSISTED SOLAR PHOTOVOLTAIC (CO2XSEN)	STAFF CATEGORY
197-M	GOLD	TS.DR AZLEE BIN ZABIDI,MOHAMAD MOHSIN BIN ISMAIL,ASWAN BIN KHAMIS,TS.DR WAN ISNI SOFIAH BINTI WAN DIN,DR. AHMAD FIRDAUS BIN ZAINAL ABIDIN	AN INNOVATION OF FIRE EXTINGUISHER MANAGEMENT USING MOBILE APPS	STAFF CATEGORY

198-I	SILVER	DR WAN NORLINDA ROSHANA MOHD NAWI,ASSOCIATE PROF. DR EZRIN HANI SUKADARIN,DR MIRTA WIDIA,NUR FAZHILAH ABDUL RAZAK,DR HANIDA ABDUL AZIZ,TS HAIRUNNISA OSMAN	ICO2 P-MAG (INTEGRATED CO2 EMISSION PLANNING AND MANAGEMENT)	STAFF CATEGORY
199-H	GOLD	PM DR MANSOR BIN SULAIMAN,PM DR HASAN BIN AHMAD,DR AHMAD IRFAN BIN IKMAL HISHAM,DR TUAN SIDEK BIN TUAN MUDA,NUR IZWAN BIN IRSAL USNUR	EBOOK PANDUAN SYARAK BERKENAAN POTONGAN INDIVIDU UNTUK ZAKAT PENDAPATAN	STAFF CATEGORY
200-F	GOLD	DR. NORWAHIDA BINTI YAKUB@YAAKUB,PROF MADYA DR EZRIN HANI BINTI SUKADARIN,NUR FAZHILAH BINTI ABDUL RAZAK, TS. PROF. MADYA MOHD RAFEE BIN BAHARUDDIN,TS. DR. MOHAMAD AZHAR BIN MOHD NOOR,TS. MOHD ALWI BIN MISMAN	RISK ASSESSMENT MATRIX OF OCCUPATIONAL STRESS (RAMOS)	STAFF CATEGORY
201-O	SILVER	JUNAIDAH ZAKARIA,NURZAHIRAH MOHD ZAMZURI,NUR FATIHAH MOHD NORDIN,DR. MOHD SHAHRIL ABU HANIFAH,NUR SYAFIQAH FAUZAN,HAIRUNNISA OSMAN	SCAT- SAFETY CULTURE ASSESSMENT TOOL	STAFF CATEGORY
202-O	GOLD	DR MIRTA WIDIA,ASSOC PROF DR EZRIN HANI SUKADARIN,ZAYYINUL HAYATI ZEN,AHMAD CUCUS,DR WAN NORLINDA ROSHANA BT MOHD NAWI,NUR SYAFIQAH BINTI FAUZAN	ERGO FERA (ERGONOMICS FATIGUE RISK ASSESSMENT) APP	STAFF CATEGORY

203-O	GOLD	NUR SYAFIQAH FAUZAN,KIRUBALINI ASOK KUMAR,ASSOCIATE PROF. DR. EZRIN HANI SUKADARIN,DR. MIRTA WIDIA,JUNAIDAH ZAKARIA,DR. WAN NORLINDA ROSHANA MOHD NAWI	NOISE RISK ASSESSMENT & MANAGEMENT SYSTEM (Noise RiskA)	STAFF CATEGORY
204-O	GOLD	ASSOC PROF DR EZRIN HANI SUKADARIN,AMIRA IZZATI IBNI AMIN,DR MIRTA WIDIA,AHMAD CUCUS,DR WAN NORLINDA ROSHANA MOHD NAWI,JUNAIDAH ZAKARIA	ERGONOMIC RISK ASSESSMENT FOR PROLONGED SITTING (ERAPS)	STAFF CATEGORY
205-M	SILVER	RAHIWAN NAZAR ROMLI,SYED AZAR B SYED BADRULZAMAN,RAHIWAN NAZAR ROMLI,DR SYAHRUL ANUAR NGAH	EHADIR SYSTEM	STAFF CATEGORY
206-O	SILVER	NORIZAM SULAIMAN,MD NAHIDUL ISLAM,MAHFUZAH MUSTAFA,MOHD SHAWAL JADIN,FAHMI SAMSURI,MD MAHMUDUL HASAN	DEVELOPMENT OF ELECTROENCEPHALOGRAM (EEG) INTERACTION MECHANISM SYSTEM TO EVALUATE THE MICROSLEEP DETECTION	STAFF CATEGORY
207-O	SILVER	DR WAN NORLINDA ROSHANA MOHD NAWI,ASSOCIATE PROF. DR EZRIN HANI SUKADARIN,TS KHAIRIL ANUAR ABDUL HAMID,DR MIRTA WIDIA ,JUNAIDAH ZAKARIA,NUR SYAFIQAH FAUZAN	WE-HIRAO (RESPIRATORY ILLNESS CAUSED BY VIRUSES AT WORKPLACE RISK ASSESSMENT)	STAFF CATEGORY
208-E	GOLD	PROF MADYA DR SAIFUL NIZAM BIN TAJUDDIN,HERLISSA BINTI HAMID,PROF MADYA DR AIZI BINTI RAMLI	GREENOPALM : ESTABLISHMENT OF ENGINEERED PLANT SCENT FOR OIL PALM PRODUCTION AND SUSTAINABILITY	STAFF CATEGORY

209-M	SILVER	TS. DR. MOHD ARFIAN BIN ISMAIL, DR. ANIS FARIHAN BINTI MAT RAFFEI, NUR FARAHAINA BINTI IDRIS	A HYBRIDIZATION OF BUTTERFLY OPTIMIZATION ALGORITHM AND HARMONY SEARCH FOR FUZZY MODELLING IN PHISHING ATTACK DETECTION	STAFF CATEGORY
211-B	BRONZE	DR. FATIMAH BINTI MAHMUD, NORHANA MOHD ARIPI, DR. GUSMAN NAWANIR, DR. SUHAIDAH HUSSAIN, DR. LEE KHAI LOON	SYNERGETIC OF LEAN ERGONOMIC FRAMEWORK FOR SME PERFORMANCE	STAFF CATEGORY
212-J	SILVER	PROFESSOR IR. DR. NIK ABDULLAH BIN NIK MOHAMED, DR. MOHD ZAIDI BIN SIDEK, MOHD HASLIZAM BIN ABDULLAH, MA QUANJIN	IOT-BASED UNIVERSAL TENSILE TESTING MACHINE	STAFF CATEGORY
213-I	SILVER	NOORAZLIZA BINTI SULAIMAN, ZETTY AIN BINTI KAMARUZZAMAN, NUR NASUHA YASMIN BINTI MOHD KHAIRUL ASRUL, NUR HUMMAIRRAH SOLEHAH BINTI MOHD SOFIAN	AIR POLLUTION DETECTION AND MONITORING SYSTEM	STAFF CATEGORY
214-I	SILVER	PROF. DR. JOSE RAJAN, GAYATHRY GANESH, DR. IZAN IZWAN MISNON, DR. KARNAN MANICKAVASAKAM	PALM WASTE DERIVED CARBON DOTS AS AN ELECTROLYTE ENHANCER IN CHARGE STORAGE DEVICES	STAFF CATEGORY
215-I	SILVER	KUMARESEN A/L MOHANARAVI, ALIFF AIMAN BIN YUSOFF, MUHAMMAD FAIDZRIN AIMAN BIN HASLIN, MOHAMAD ASRAF EKMAL BIN ARWIN, MUHAMMAD BADROL AMIN BIN RAZAK, MUHAMMAD ZAIRULEZAM BIN YUNUS	DESIGN AND DEVELOPMENT OF HYBRID SOLAR TREE	STAFF CATEGORY



216-K	SILVER	ASSOCIATE PROFESSOR DR YUDI FERNANDO,NIA MAIMUNAH,FINEKE MERGERESA	FINXPLAN: A SOLUTION FOR ENTREPRENEURIAL FINANCIAL PLANNING	STAFF CATEGORY
217-N	GOLD	MOHD NAJIB BIN RAZALI,NAJMUDDIN BIN MOHD RAMLI,SYAHIRAH SYAZWANI BINTI MOHD TARMIZI,NUR KHOLIS BIN ZULKIFLI,NUR FARHAN BINTI UJAL	BIODEGRADABLE GREASE FOR FOOD AND PHARMACEUTICAL INDUSTRY	STAFF CATEGORY
218-H	GOLD	DURRANI AIMI BINTI ABDUL MALIK,PM DR YUHANI BINTI YUSOF,DR KU MUHAMMAD NAIM BIN KU KHALIF	HYBRID FAHP-FIS MODEL: RANKING THE BEST MATHEMATICS STEM APPROACH	STAFF CATEGORY
219-I	GOLD	NOOR AKMA ABU BAKAR,NORIDAYU MAH HASHIM,CHE AKMAL CHE YAHAYA,PUTERI FADZLINE MUHAMAD TAMYEZ ,SITI NUR ZAHRAH BINTI AMIN BURHANUDDIN	ALLOCATION PROCEDURE AND SIMULATION MODELING FOR FLOOD EVACUATION PROCESS	STAFF CATEGORY
220-E	GOLD	MOHD NAJIB BIN RAZALI,AMIRA ERMAFIQKA BINTI ANUAR,MUHAMMAD NUR HAFIZ BIN SHAIDAN,NAJMUDDIN BIN MOHD RAMLI,NORAISHAH BINTI GHAZALI	JUSZ EAT : SUPER PREMIUM CATFOOD FROM LOCAL AQUACULTURE SOURCE	STAFF CATEGORY
221-I	GOLD	ASSOCIATE PROFESSOR DR YUDI FERNANDO,NIA MAIMUNAH,FINEKE MERGERESA,FAUZAN ALI VIJSMA	2RELOGCARCHAIN USING BLOCKCHAIN TECHNOLOGY FOR CARBON FOOTPRINT TRACKING AND MONITORING	STAFF CATEGORY
222-H	GOLD	NORAZIDAH BINTI SHAMSUDIN,FADZIDA BINTI ISMAIL,SUHANA BINTI MOHAMED,NORWAZLI BINTI ABDUL WAHAB	EMBEDDING MICRO-CREDENTIAL MODULE FOR SUBSTITUTE BLENDED LEARNING: ADOPTION IN FINANCIAL MANAGEMENT MODULAR COURSE	STAFF CATEGORY
223-E	GOLD	AIZI NOR MAZILA BINTI RAMLI,SHARIFAH ZAFIERAH SYED BADRULZAMAN,RESHMA PATIL,AIMI WAHIDAH AMINAN	BIRDIE: EDIBLE BIRD NEST CLEANING SOLUTION USING ENZYME TECHNOLOGY	STAFF CATEGORY

224-E	GOLD	AIZI NOR MAZILA BINTI RAMLI,NORLIANA MUNIR,WAN NUR AINA MARDHIYYAH WAN MUSA,SITI ZULAIHA ZAILANI,NG ZHI XIN,ANG SHU XUAN	SYMBIOTIC BOOSTER FOR MUSHROOM	STAFF CATEGORY
225-I	GOLD	AZRINA BINTI ABD AZIZ,UMI RABIATUL RAMZILAH P.REMLI,H .M. SOLAYMAN,MD. ARIF HOSSEN ,AAMINA	WMR-QDS: A WASTE TO CATALYST	STAFF CATEGORY
228-H	SILVER	AWANIS ROMLI,AL-FAHIM MUBARAK ALI,MOHD SHAHRI MOHD AKHIR,NURSURAINIE MOHAMED SHATERI,YUZAWANI YUSOFF,MOHAMMAD IQBAL RAMLY	UMP DIGITAL ASSESSMENT SYSTEM (UDAS): SISTEM PENGURUSAN PEPERIKSAAN AKHIR DI UNIVERSITI MALAYSIA PAHANG	STAFF CATEGORY
229-I	GOLD	TS CHM. DR AHMAD ZAMANI AB HALIM,CHM PROF MOHD HASBI AB RAHIM,TS CHM PROF GAANTY PRAGAS A/L MANIAM	DECARBONIZED WITH A RENEWABLE HYDROGEN-ASSISTED SOLAR PHOTOVOLTAIC TO RENEWABLE METHANE VIA A DECO2X CATALYST.	STAFF CATEGORY
230-A	SILVER	TS. DR. NURHAFIZAH BINTI ABU TALIP @ YUSOF,MOHD KHAIRUL NIZAM BIN ANUAR	DEVELOPMENT OF A PROTOTYPE OF A PORTABLE PICO-HYDROPOWER GENERATOR DRIVEN BY FARMING IRRIGATION SYSTEM WATER FLOW	STAFF CATEGORY
231-M	SILVER	DR. NOOR ZIRWATUL AHLAM BINTI NAHARUDDIN,NOR HADZFIZAH BINTI MOHD RADI,IR. DR. MUZAFAR BIN ISMAIL,PROF. DR. ZAHRILADHA BIN ZAKARIA,EN. MOHD HISYAM BIN MOHD ARIFF,NORAZIAN BINTI SUBARI	NOVEL DESIGN FOR WEARABLE LEATHER ANTENNA MADE FROM GRAPHENE/SILVER/COPPER FOR ULTRAWIDEBAND APPLICATION	STAFF CATEGORY
232-I	SILVER	RITTICK MAITY,ABG MOHD FAADHILLAH,KRISHNIYA,MUHAMMAD NAIM,MUHAMMAD AIMAN,RAVIN	DESIGN AND DEVELOPMENT OF SOLAR OPERATED TRICYCLE FOR CHILDREN	STAFF CATEGORY

234-H	SILVER	PROFESSOR TS. DR. MOHD RASHID BIN AB HAMID,ASSOCIATE PROFESSOR DR. ROSLINAZAIRIMAH BINTI ZAKARIA,ROSILAVI BIN MAT JUSOH,AMIRUL BIN AHMAD,ASSOCIATE PROFESSOR DR. ZAINOL BIN MUSTAFA,MOHAMAD HAZEEM BIN MOHMAD SIDIK	LIEFELONG LEARNING MEASUREMENT INSTRUMENT	STAFF CATEGORY
235-I	SILVER	TS. DR. NOORLISA HARUN,PM DR. RUWAIDA ABDUL RASID,NAILAH FASIHAH SIDEK	EVALUATION OF THE EFFICIENCY OF BIOGAS FOR COMBINED HEAT AND POWER (CHP) GENERATION FROM FOOD WASTE	STAFF CATEGORY
236-N	BRONZE	TS. DR. NOORLISA BINTI HARUN,NURUL ANIYYAH BINTI MOHAMAD SOBRI,PROFESOR MADYA TS. DR. MOHD YUSRI BIN MOHD YUNUS, TUAN MUHAMMAD AIMAN BIN TUAN KHAROL	RARE EARTH RECOVERY BY ION-EXCHANGE LEACHING FROM ION ADSORPTION CLAYS	STAFF CATEGORY
237-C	GOLD	SAIFUL ANWAR CHE GHANI,DAING MOHAMAD NAFIZ DAING IDRIS,SITI ROHAIDA MOHAMED,ADLINA SYAFIQAH SAMSUDIN	INTEGRATING ROBOTIC MANUAL TRANSMISSION INTELLEAGENT CONTROL (I-roManTIC)	STAFF CATEGORY
238-I	BRONZE	SITI ROSLINDAR YAZIZ,SYARRANUR AHMAD ZAIM @ MOHD ZAIM,WAN NUR SYAHIDAH WAN YUSOFF,NOOR FADHILAH AHMAD RADI,NURUL NAJIHAH MOHAMAD,ROSLINAZAIRIMAH ZAKARIA	RELIABLE ELECTRICITY DEMAND PREDICTOR	STAFF CATEGORY

239-I	SILVER	ABDUL NASIR BIN ABD GHAFAR, ABDULLAH AZIM BIN JA'AFAR, KHUZAIRI BIN KAMARUZAMAN, AMER NAIF BIN ZAHURI, DEVIN BABU A/L NADARAJAH, SULIMAN ABDULMALEK HAMOOD AHMED	RIP CURRENT DETECTOR AND MONITORING SYSTEM	STAFF CATEGORY
240-H	SILVER	DR. NADIRAH BINTI MOHD NASIR, PROF. DR. ZANARIAH BINTI ABDUL MAJID	HIGHER ORDER IMPLICIT NUMERICAL SOLVER FOR SOLVING ROBIN BOUNDARY VALUE PROBLEMS: THE MULTISTEP BLOCK METHOD APPROACH	STAFF CATEGORY
241-C	SILVER	SAIFUL ANWAR BIN CHE GHANI, MOHAMAD FAIZAL BIN RIDZWAN, MOHD AZWAN AZIZ, MUHAMMAD AZLIZAN BIN AZIZ	AFTER-SALE CRANKSHAFT SET FOR 2 STROKE ENGINES	STAFF CATEGORY
242-L	SILVER	NOR ALISA BINTI MOHD DAMANHURI, SYAFIKAH BINTI AYOB, DAVIS HARRIS, NORAZIAH ADZHAR	EVALUATION OF GRANULAR STRENGTH UNDER WEDGE INDENTATION: A NUMERICAL APPROACH	STAFF CATEGORY
243-I	SILVER	PROFESSOR MADYA TS DR NOOR ASMA FAZLI BIN ABDUL SAMAD, DR SURIYATI BINTI SALEH, THARANESWARY VENGADESAN, GUNAVAATHY SARAVANAN	SYNTHESIS GAS AND TAR GENERATION PREDICTION USING EXTENDED THERMODYNAMIC EQUILIBRIUM MODEL	STAFF CATEGORY
244-I	BRONZE	ABDUL RAHMAN MOHD KASIM, NUR SYAMILAH ARIFIN, NOOR AMALINA NISA ARIFFIN, MOHD HAZIEZAN BIN HASSAN, TIJJANI LAWAL HASSAN, SHARIDAN SHAFIE	HOW FLUID-PARTICLE INTERACTION AFFECTS THE FLUID FLOW?	STAFF CATEGORY

245-M	SILVER	TS. DR. TUTY ASMAWATY BINTI ABDUL KADIR (SUPERVISOR), AISYAH BINTI IBRAHIM (PHD STUDENT), PM DR HAMDAN BIN DANİYAL, ASSIST. PROF. DR RODERICK H. MACDONALD	THE PANDEMIC SOLUTION MODEL	STAFF CATEGORY
246-K	GOLD	SYIFAK IZHAR HISHAM, NUR ALYA AFIKAH USOP, AQILAH ABDUL GHANI, NURUL WAHIDAH ARSHAD, AHMAD FIRDAUS ZAINAL ABIDIN, LUHUR BAYUAJI	ZIGZAG-LSB: AN AUTHENTICATION SYSTEM FOR PDF FILES	STAFF CATEGORY
248-H	GOLD	NASRUL HADI BIN JOHARI, ZAHIAN ISMAIL, MOHD FAIZAL AB RAZAK, ABDULLAH MAT SAFRI, SYIFAK IZHAR HISHAM, DR. AL FAHIM MUBARAK	LET'S BE AWARE! - A CYBER SAFE EXPLORACE	STAFF CATEGORY
249-E	SILVER	ASSOCIATE PROFESSOR DR. NINA SUHAITY AZMI, SAKINA SHAHABUDIN, MOHD FAIZULNAZRIE MASRI, ZANNAT URBI, ASSOCIATE PROFESSOR DR. MOHD NIZAM LANI	CORMURIA: ANTIFUNGAL CREAM WITH WOUND HEALING BENEFIT	STAFF CATEGORY
250-H	GOLD	PROFESSOR TS. DR. MOHD RASHID BIN AB HAMID, MAJOR DR. IMADUDDIN BIN ABIDIN, PROFESSOR DR. ABDULLAH BIN IBRAHIM, ASSOCIATE PROFESSOR DR. ROSLINAZAIRIMAH BINTI ZAKARIA, ASSOCIATE PROFESSOR DR. ZAINOL BIN MUSTAFA (UKM)	VALUE-BASED ASSESSMENT TOOL FOR UNIVERSITY LEADERSHIP	STAFF CATEGORY

251-E	SILVER	ASSOCIATE PROFESSOR DR. NINA SUHAITY AZMI, MOHD FAIZULNAZRIE MASRI, KADER MD. ASHRAFUL, SAKINA SHAHABUDIN, ZANNAT URBI, ASSOCIATE PROFESSOR DR MOHD NASIR MOHD DESA	CO-BEAD: A CONVENIENT AND CULTURE-RICH PROBIOTIC SOLUTION	STAFF CATEGORY
253-I	SILVER	DR. -ING. AAINAA IZYAN BINTI NAFSUN	POTENTIAL OF BIOMASS FOR BIOETHANOL PRODUCTION	STAFF CATEGORY
254-H	GOLD	MUNIRA BINTI ABDUL RAZAK, NUR HIDAYATI BINTI MOHD RAMLI, NOORINI BINTI MD SHAH, MOHD SHAHRYL BIN MANSOR, ZUHAMI BIN OMAR, ROHANA BINTI RAHMAT	ADAM I.K.M.A.L.	STAFF CATEGORY
255-I	SILVER	DR SURIYATI BINTI SALEH, PM DR NOOR ASMA FAZLI BIN ABDUL SAMAD, NAJAATUL AIMI BINTI SOLLAHUNDDIN	"BEST" BIOFUEL: BIODEGRADABLE, ECONOMIC, SUSTAINABLE, TOP SOLID FUEL	STAFF CATEGORY
256-I	SILVER	DR SITI ROSLINDAR BINTI YAZIZ, SYAHRIZAL BIN SALLEH, ASSOC. PROF. DR. ROSLINA ZAIRIMAH BINTI ZAKARIA, DR NOOR FADHILAH BT AHMAD RADI, DR. NURUL NAJIHAH BT MOHAMAD	SMART SYSTEM OF DATA PREPARATION FOR BATTERY ELECTRIC VEHICLE TIME SERIES	STAFF CATEGORY
257-D	SILVER	TANESHA THANASEELAN, DR RAJALETCHUMY VELOO KUTTY, JEYANTHINI GRACE, NUR SYAZANA WAHID, NURSAFARINA	FORMULATION OF FACE SERUM FROM COMBRETUM INDICUM LEAVES EXTRACT	STAFF CATEGORY
259-O	SILVER	MUHAMMAD FAHMI BIN AHMAD ZUBER, NORHAYATI BINTI ROSLI, NORHAYATI BINTI ROSLI, NORYANTI BINTI MUHAMMAD	UNVEILING COVID-19 INSIGHTS: ESTIMATING EPIDEMIOLOGICAL PARAMETERS WITH A MARKOV CHAIN MONTE CARLO GUI	STAFF CATEGORY

260-C	GOLD	MD SHOHAN PARVEZ ,MD MUSTAFIZUR RAHMA,MAHENDRAN SAMYKANO,KUMARAN KADIRGAMA,DEVARAJAN RAMASAMY ,MUHAMAD MAT NOOR	POLYFLEX CAR SEAT HEATER: FLEXIBLE, LIGHTWEIGHT AND SUSTAINABLE HEATING PAD	STAFF CATEGORY
261-O	BRONZE	KU MUHAMMAD NA'IM BIN KU KHALIF,NORYANTI BINTI MUHAMMAD,MOHD KHAIROL BAZLI BIN MOHD AZIZ,MOHAMMAD ISA IRAWAN,MOHAMMAD IQBAL,MUHAMMAD NANDA SETIAWAN	WEB-BASED FOR DIABETES AND CARDIOVASCULAR DISEASE RISK PREDICTION USING AUTOMATED MACHINE LEARNING	STAFF CATEGORY
262-I	SILVER	DR. ASNOR MAZUAN BIN ISHAK,MUHAMMAD FATHI DINI BIN RAIMIN,PM. DR. SYED MOHD FAIRUZ BIN SYED MOHD DARDIN,RAHIL HANIM BINTI GHAZALI,AKRAM BIN ABDUL AZID,DR. AHMAD SHUKRI BIN ABU HASIM	FLOATING SYSTEM FOR PERMANENT-MAGNET LINEAR-GENERATOR (WAVE ENERGY CONVERTER)	STAFF CATEGORY
263-H	SILVER	NURUL EMILIA DIYANA BINTI ABDUL MALIK,MUHAMMAD TAUFIQ BIN MOHD SAFWAN CHIN	A REMOTE MONITORING SYSTEM ON STUDENTS' LEARNING EXPERIENCE - ICONSULT (SEN)	STAFF CATEGORY
264-M	BRONZE	ABDUL HALIM BIN ABDUL RAHMAN	IMPROVING CALORIE AWARENESS BY USING SERIOUS GAME	STAFF CATEGORY
265-H	SILVER	NOOR AMALINA NISA ARIFFIN,NAZIRAH RAMLI,NIK MUHAMMAD FARHAN HAKIM NIK BADRUL ALAM,YUSHARINA YUSOF,AZIMAH SUPARLAN	GAMIFICATION IN TEACHING AND LEARNING MATHEMATICS FOR HIGHER EDUCATION	STAFF CATEGORY

266-O	BRONZE	ASSOC PROF DR.ANNAPURNY VENKITESWARAN,PROF DR.MOHD RASHID BIN AB HAMID ,DR.MUHD FIRDAUS BIN CHE MUSA ,NURUL AIN BT NOORJAMAL ,DR.MOHAMAD AFIQ FARHAN BIN ROSLAN	QUESTIONNAIRE FOR CAREER GOALS, MOTIVATION AND CHALLENGES IN SPECIALISATION AMONG YOUNG DENTISTS IN MALAYSIA	STAFF CATEGORY
267-O	GOLD	DR SITI NURHAFIZAH SALEEZA BINTI RAMLEE,PROF NORMA BINTI TAN SRI CHE YUSOF,DATO' PROF. DR. MOHD SOFIAN BIN AZIRUN,DR ZARINA BT KASSIM,PROF DR HJ HASAN AL-BANNA B. MOHAMED ,PN. SITI HUMAIRA B. RAMLI	ODONATA NYMPHS AS POTENTIAL BIOCONTROL AGENT OF MOSQUITO LARVAE IN MALAYSIA	STAFF CATEGORY
268-I	GOLD	PROF. DR. ONG KEAT KHIM,DR. MOHD JUNAEDY OSMAN,PROF. EM. DR. WAN MD ZIN WAN YUNUS,DR. JAHWARHAR IZWAN ABD RASHID,DR. HASNAWATI JAMAL,ASSOC. PROF. DR. NOR AZLIAN ABDUL MANAF	A COLORIMETRIC SMARTPHONE-BASED APTASENSOR FOR ACEPHATE (ORGANOPHOSPHATE PESTICIDE) DETECTION	STAFF CATEGORY
269-I	SILVER	PROF MADYA DR NOR AZLIAN BINTI ABDUL MANAF,ASYRAF HAKIMI BIN AZMI,PROF ONG KEAT KHIM	GRADED BANDGAP BISMUTH OXYIODIDE FOR LEAD FREE PEROVSKITE SOLAR CELLS	STAFF CATEGORY
270-O	GOLD	DR. MOHD HAKAM BIN NAZIR,DR MUHD RIDZUAN BIN PAUZI,DR WAN NOR FATIHAH BINTI WAN HANAFI,MOHD SHAFUL AZMAN BIN ABDUL RAHIM	CEDADERM SHOWER GEL	STAFF CATEGORY
271-D	GOLD	NIK NUR AZWANIDA BINTI ZAKARIA,ZUHARLIDA BINTI TUAN HARITH	B-NATURAL COSMETICS (A NATURAL LIP COSMETIC FORMULATED WITH DRAGON FRUIT EXTRACT)	STAFF CATEGORY



272-I	GOLD	SUGANTHI APPALASAMY,NIVAARANI ARUMUGAM,BOON JIA GENG,MARYANA MOHAMAD NOR,ALIA DIYANA MOHAMED HASSIM,MURUGAN PARAMASIVAM	TERMICIDE: LIQUID SOLUTION FOR URBAN TERMITE CONTROL	STAFF CATEGORY
273-I	SILVER	MUHAMAD AZAHAR ABAS,KAMARUL ARIFFIN KAMBALI@HAMBALI,NOR HIZAMI HASSIN,AMAL NAJIHAH MUHAMAD NOR,NOOR SYUHADAH SUBKI,FARAH KHALIZ KEDRI	BIOCIDE FOR SICK BUILDING SYNDROME FUNGUS (BIOC SBSF)	STAFF CATEGORY
274-H	GOLD	TS. IZATI NABILA BINTI MARZUKI,DR. TENGKU FAUZAN BINTI TENGKU ANUAR,PROF MADYA. TS. DR. ANUAR BIN MOHD YUSOF,PROF. MADYA DR. AHMAD AZAINI BIN ABDUL MANAF,TS. MD ARIFF BIN ARIFFIN,LAR. AYUB BIN AWANG	LEARNING BASED ACTIVITY OF SURAH LUKMAN CURRICULUM USING AUGMENTED REALITY TECHNOLOGY IN DELIVERING DA'WAH	STAFF CATEGORY
275-O	SILVER	DR. NURUL HAFIZAH BINTI MOHD YASIN,DR. NURUL HAFIZAH BINTI MOHD YASIN, DR. DERWEANNA BAH SIMPONG, MAZNE IBRAHIM,NUR FARIHIN ABD HADI KHAN	RIZBRUNANA HIGH FIBER BISCUITS: FROM WASTE TO HEALTH	STAFF CATEGORY
276-I	SILVER	DR. NOOR UMMI HAZIRAH HANI BINTI ZALKEPALI @ ZULKEFLI,NIK NOOR HARYATUL ELEENA BINTI NIK MAHMUD,PROF. MADYA. TS. DR. NOOR AZURA BINTI AWANG	INFLUENCE OF THICKNESS ON TUNABILITY PERFORMANCE OF PLASMA SPUTTERED INDIUM TIN OXIDE AS Q-SWITCHER	STAFF CATEGORY

277-A	GOLD	TS. MAT TAWI YAACOB,GS. DR. EDIE EZWAN MOHD SAFIAN,PROF. MADYA. DR. MOHD LIZAM MOHD DIAH,GS. DR. BURHAIDA BURHAN,DR. NORHADILAH ABDUL HAMID,SITI NORZIAH ISMAIL	PADDY YIELD VULNERABILITY PREDICTION MODEL FOR NON-GRANARY AREAS	STAFF CATEGORY
278-L	BRONZE	TS. DR. ZEETY BINT MD YUSOF,DR. NURAIN IZZATI BINTI MOHD YASSIN,DR. NUR AIN BINTI EBAS,DR. TOH YOKE TENG	PERFORMANCE SETTLEMENT OF HYDRATED LIME – POND ASH TREATED PEAT SOIL	STAFF CATEGORY
279-A	SILVER	TS. DR. TEE TZE KIONG,MUHAMMAD KHAIRI AFIQ BIN MOHD JAMIL,MUHAMMAD ALIF NAJMI BIN ABDUL RAZAK,,DR. SITI HAJAR BINTI ZAKARIAH,NURALIAH BINTI ABD NASIR	CHILI'S CUTTER	STAFF CATEGORY

## STUDENT CATEGORY

BOOTH ID	AWARD	NAME	TITLE	CATEGORY
11-E	GOLD	LAU SIE YON,SHAMINI ANBOO,JIBRAIL KANSEDO,YAP POW SENG,TONY HADIBARATA,AZLINA HARUN KAMARUDDIN	DEVELOPMENT OF FACILE SELF- ASSEMBLY MAGNETIC ENZYME- INORGANIC HYBRID NANOFLOWERS BIOCATALYST	STUDENT CATEGORY
12-C	BRONZE	FAREISYA ZULAIKHA BINTI MOHD SANI,BAIZURA BINTI BOHARI,ELYA BINTI MOHD NOR,SITI NOORMIZA BINTI MAKHTAR,NUR DIYANA BINTI KAMARUDIN,FAKROUL RIDZUAN BIN HASHIM	WIND REJECTION ALGORITHM FOR QUADROTOR UAV USING MACHINE LEARNING	STUDENT CATEGORY
13-M	GOLD	FATIN ZAHIDAH BINTI MOHD EFFANDI,KHAIRUL AZMI BIN ABU BAKAR	QUEUENOW (QNOW): SISTEM PENDAFTARAN DAN PENGGILIRAN KLINIK	STUDENT CATEGORY
14-O	GOLD	TEH FARADILLA BINTI ABDUL RAHMAN,DR. NORSHITA MAT NAYAN	MODEL OF TEXT MESSSAGES CONSTRUCTION FOR MENTAL HEALTH MOBILE THERAPY	STUDENT CATEGORY
15-H	GOLD	SYAHIR BAHIRAN BIN HILMI,ANUAR BIN MOHD YUSOF,SULIADI FIRDAUS SUFAHANI	XPLORADI3D 2.0: ALTERNATIVE SELF INSTRUCTION MATERIAL (SIM) IN VIRTUAL REALITY FOR SCIENCE SUBJECT	STUDENT CATEGORY

16-O	SILVER	PROF DR SUZANA MAKPOL,DR TAN JEN KIT,DR MAZLINA MOHD SAID,AZRAUL MUMTAZAH RAZAK	GINGERINE FOR MUSCLE STRENGTH AND PERFORMANCE	STUDENT CATEGORY
17-O	GOLD	PROF DR. SUZANA MAKPOL,DR FAIZUL JAAFAR,NUR FATIN NABILAH BINTI MOHD SAHARDI	GINGERINE FOR MUSCLE REGENERATION	STUDENT CATEGORY
18-I	SILVER	KHAIRUN NAJIAH KAMARUDIN,NURMUNIRA MUHAMMAD,SITI KHAIRINA MOHD NOOR ARIFFIN	FROM WASTE TO SOIL ADDITIVES FOR IMPROVING THE PROBLEMATIC SOIL COEFFICIENT OF COMPRESSIBILITY	STUDENT CATEGORY
19-I	SILVER	SITI KHAIRINA MOHD NOOR ARIFFIN,NURMUNIRA MUHAMMAD,KHAIRUN NAJIAH KAMARUDIN	FROM WASTE TO SOIL ADDITIVES FOR INCREASING THE UNCONFINED COMPRESSIVE STRENGTH OF PROBLEMATIC PEAT SOIL	STUDENT CATEGORY
20-M	BRONZE	NIK AHMAD FARIHIN BIN MOHD ZULKIFLI , TS. DR ZURIANI BINTI MUSTAFFA	LEARNING MALAY SIGN LANGUAGE USING SINGLE SHOT DETECTOR (SSD) AND MOBILENET	STUDENT CATEGORY
21-C	SILVER	AKMAL HARIS BIN JASNI,MUHAMMAD IKRAM BIN MOHD RASHID ,WAN MUHAMMAD NOOR SARBANI BIN MAT DAUD,MOHD ASHRAF BIN AHMAD	EVSE TYPE 2 POLE TYPE	STUDENT CATEGORY
22-M	SILVER	MUHAMMAD HAZRIQ AKMAL BIN ZAIROL, TS. DR. MOHD FAIZAL BIN AB RAZAK, TS. DR. AHMAD FIRDAUS BIN ZAINAL ABIDIN, DR. SALWANA BINTI MOHAMAD @ ASMARA	ANDROID MALWARE DETECTION SYSTEM USING MACHINE LEARNING	STUDENT CATEGORY

23-I	GOLD	FARAH EZATI BINTI SAINDI,ABDURAHMAN HAMID NOUR	PRODUCTION OF WATER-IN- DIESEL EMULSION,WIDE WITH AN ENVIRONMENTALLY FRIENDLY SURFACTANT	STUDENT CATEGORY
24-M	BRONZE	MUHAMMAD ALIF AIMAN BIN ABD SAMAD,TS. DR. LIEW SIAU CHUIN	RECOVERY AND TAMPER LOCALIZATION FOR REVERSIBLE IRIS IMAGE WATERMARKING SCHEME USING HASH FUNCTION	STUDENT CATEGORY
25-M	SILVER	AHMAD SULAIMAN BIN ZURKIFLI,TS. DR. LIEW SIAU CHUIN	IMAGE STEGANOGRAPHY USING HASH FUNCTION AND COMPRESSION	STUDENT CATEGORY
26-M	SILVER	LEE BEE LIN,DR. NUR SHAZWANI BINTI KAMARUDIN,DR. NUR HAFIEZA BINTI ISMAIL,DR. AHMAD FAKHRI BIN AB. NASIR,PROF. DR. NIK AHMAD HISHAM BIN ISMAIL,NOR ASHIKIN BT MOHAMAD KAMAL	I AM HERE FOR YOU (IMH4U) – CHATBOT FOR MENTAL HEALTH	STUDENT CATEGORY
27-A	GOLD	MOHAMMAD MALINDO BIN MOHAMAD ARIP,TS WAN ZAITON BINTI WAN SULAIMAN,ROSLAN BIN MAT DIN,ZULKEFLE BIN ABDUL AZIZ,MOHD ABDUL RASHID BIN MOHAMMAD SAFPERI,FADZRUL NAIM BIN ZAINI	SILENT SPRAY	STUDENT CATEGORY
28-H	SILVER	AHMAD HAZIM BIN TAJARAZHAR,DR.SITI SUHAILA BINTI ABDUL HAMID,SITI AISHAH BINTI JOHAN ISKANDAR	EDUCATIONAL MOBILE GAME FOR CHILDREN WITH DYSLEXIA: BOBBY BELAJAR ABJAD	STUDENT CATEGORY
29-B	SILVER	THAVANES A/L TAMILULANAN,SURYAA A/L KANNIAPPAN,MUSFIRAH BINTI ABDUL HADI	INTERNET OF THINGS(IOT) BASED SMART WATER PUMP SWITCH AND MONITORING.	STUDENT CATEGORY

30-I	SILVER	TAN JING SHI,ABDURAHMAN HAMID NOUR	ANAEROBIC DIGESTION OF WASTEWATER USING ULTRASONIC MEMBRANE ANAEROBIC SYSTEM (UMAS)	STUDENT CATEGORY
31-C	SILVER	MOHAMMAD ARIEZ HAZARIL BIN AHMAD FAUZLI,MOHD AZIM BIN MOHD SAAD ,MUHAMMAD NABIL SYAZANI BIN MANSOR,PUAN SITI AISHAH BINTI RUSDAN	SIMULATION INVESTIGATION ON INTRUSION OF CORRUGATED CORE SANDWICH STRUCTURE AS UNDERBODY SHIELD OF ELECTRIC VEHICLE SUBJECTED TO GROUND IMPACT	STUDENT CATEGORY
32-I	BRONZE	MUGUNTHEN A/L SEVENDADASAN,THINESH KUMAR A/L CHANDRU SHEKAR,DR.MOHD AZRI HIZAMI BIN HASID	FLOATING DEBRIS COLLECTOR	STUDENT CATEGORY
33-A	GOLD	IBRAHIM ADHAM BIN MOHD AZIZ,NUR DIYANA BINTI RAHIM,HARISON SAWITCHIARN A/L EH LIM,NUR HUDA BINTI RAMLAN,RASYADA A RAHMAN@RAHIM	OFF-GRID PHOTOVOLTAIC-BASED MOBILE INTEGRATED SMART MUSHROOM CULTIVATION TECHNOLOGY TO STABILIZE INDOOR GROWTH PARAMETER CONDITION IN MAINTAINING QUALITY OF CULTIVATED MUSHROOMS	STUDENT CATEGORY
34-M	SILVER	CHOO YONG HAN,WAN NURULSAFAWATI WAN MANAN,ANWAR RAZLAN BIN RASALI,RAHIWAN NAZAR BIN ROMLI	DETECTION OF DISTRIBUTED DENIAL-OF-SERVICE(DDOS) ATTACK WITH HYPERPARAMETER TUNING BASED ON MACHINE LEARNING APPROACH	STUDENT CATEGORY
35-O	GOLD	MUHAMMAD ALI AIMAN BIN ABDUL AZIZ,AZMA BINTI ABDULLAH,MUHAMMAD HASIF BIN BAHARUM,MUHAMMAD ASLAM BIN MAT ASRI	SELF – MEDICATION TRACKING SYSTEM	STUDENT CATEGORY

36-M	GOLD	NICHOLAS OOI ZHEE CHEN, TS. AZLINA BINTI ZAINUDDIN, NUR SOFHIA IZZATY BINTI MOHAMAD AZIZI	CLEANMYCOASTAL -	STUDENT CATEGORY
37-A	GOLD	LAU WEI HONG, NOR SUHADAH BINTI RAZALI, LAM ZHI KIEN, HAMIZAN IQBAL BIN FARID	TOMATO SORTING MACHINE	STUDENT CATEGORY
38-M	SILVER	ONG WEI CHENG, KONG JUN HAO, TS. DR. AHMAD FIRDAUS BIN ZAINAL ABIDIN, TS. DR. MOHD FAIZAL AB RAZAK, TS. DR. WAN ISNI SOFIAH BINTI WAN DIN	A BOTNET DETECTION SYSTEM WITH PRODUCT MOMENT CORRELATION COEFFICIENT (PMCC) HEATMAP INTELLIGENT	STUDENT CATEGORY
39-M	SILVER	KONG JUN HAO, ONG WEI CHENG, AHMAD FIRDAUS BIN ZAINAL ABIDIN, TS. DR. MOHD FAIZAL AB RAZAK, TS. DR. WAN ISNI SOFIAH BINTI WAN DIN	CRYPTOJACKING DETECTION SYSTEM (CDS)	STUDENT CATEGORY
40-G	GOLD	KIRAN A/L PANDIAN, DR MOHD AZRAAI BIN MOHD RAZMAN, MOHD IZZAT BIN MOHD RAHMAN, DR ANWAR P.P. ABDUL MAJEED, DR MUHAMMAD AMIRUL BIN ABDULLAH, DR ISMAIL MOHD KHAIRUDDIN	SIGN LANGUAGE RECOGNITION USING DEEP LEARNING	STUDENT CATEGORY
41-I	SILVER	NUR HUSNINA BT MOHAMED NOR RAHIM, PM. IR. DR. NORAZWINA ZAINOL, DR ROZAIMI ABU SAMAH	COST EFFECTIVE CHEMICAL OXYGEN DEMAND (COD) & NITRATE-N REMOVAL FOR HATCHERY INDUSTRY WASTEWATER	STUDENT CATEGORY
42-I	GOLD	NAGATARSHINI A/P VASOOTHEVAN, PROFESSOR DR. ABDURAHMAN HAMID NOUR, AIMAN A. BIN MOKAIZH	CHARACTERIZATION & SEPARATION OF WATER-IN-CRUDE OIL EMULSION (W/O) VIA MICROWAVE HEATING TECHNOLOGY	STUDENT CATEGORY

43-E	SILVER	TANESWARY D/O GOVINDARASAN,P.M IR. DR NORAZWINA BINTI ZAINOL	EXTRACTION OF PHYTOCHEMICAL COMPOUND FROM AGRICULTURE WEED, CYPERUS ROTUNDUS	STUDENT CATEGORY
44-I	SILVER	MUHAMMAD FAHMI BIN ARIFFIN,NURIN ARISSA BINTI NOOR AZMI,THAYALINI A/P BALASUBRAMANIAM,AUNI NASUHA BINTI AZMI,DR. NOOR YAHIDA BINTI YAHYA	COFFEEAD: A POTENTIAL ADDITIVE FOR BIOGAS PRODUCTION	STUDENT CATEGORY
45-N	GOLD	MUHAMMAD HAZIQ HAKIMI BIN HASNU,MOHD SABRI BIN MAHMUD,DHARSHINI DEVI A/P RAJABALAN	CEMENT WASTE CATALYST FOR THERMAL CRACKING OF WASTE COOKING OIL TO PRODUCE FUEL.	STUDENT CATEGORY
46-O	GOLD	KHOO ZHENG HAO,YASHINI A/P K.SELVANATHAN,NASRATUN BINTI MASNGUT	PINEAPPLE VINEGAR-LIKE HEALTH BEVERAGE	STUDENT CATEGORY
47-I	SILVER	NUR NAJWA SYUHADA BINTI SUHAIDI,NURUL AIN HASBULLAH,NURFADZIHAN BINTI ARIFAN,TS. DR. NORASYIKIN ISMAIL	SAPONIN AS GREEN SURFACTANT FOR SURFACTANT FLOODING	STUDENT CATEGORY
48-A	SILVER	WILSON SHUM KENG HANG,NUR SUHADDAH FATIHAH BINTI PAULI ,DR. NADZIRAH BTE MOHD MOKHTAR	SOLAR WATER PUMP WITH FILTRATION SYSTEM FOR AQUACULTURE	STUDENT CATEGORY
49-M	GOLD	NICHOLAS OOI ZHEE CHEN,HOH WEI SIANG	NOTETIFY - NOTES & FINANCIAL PLANNER	STUDENT CATEGORY
51-M	SILVER	TUA YONG LIANG,TS. DR. HOH WEI SIANG	AR FLOOD	STUDENT CATEGORY



52-H	SILVER	ATHIRAH SYAHIDA BINTI MOHD TARMEZI, DR SITI SUHAILA BINTI ABDUL HAMID, NURUL ZAHIDAH BINTI ZAINAL ABIDIN, AINA SAFIQAH BINTI AEZIL SYUHEARI	GAME-BASED UJIAN SARINGAN DISLEKSIA	STUDENT CATEGORY
53-H	SILVER	NURUL ZAHIDAH BINTI ZAINAL ABIDIN, DR SITI SUHAILA BINTI ABDUL HAMID, ATHIRAH SYAHIDA BINTI MOHD TARMEZI, AINA SAFIQAH BINTI AEZIL SYUHEARI	BAHASA MELAYU AUGMENTED REALITY APPLICATION FOR DYSLEXIC CHILDREN	STUDENT CATEGORY
54-I	SILVER	KHESAVA SHINEGA A/P KIRUSHNA MOORTHY, SHUBAHSHINI A/P MAYELVAGANAM, DR. AAINAA IZYAN BINTI NAFSUN	POTENTIAL OF BANANA PEEL FOR BIOETHANOL PRODUCTION	STUDENT CATEGORY
55-N	BRONZE	WAN AMIRAH NAJWA WAN ANUAR, DR. ROS AZLINAWATI RAMLI, NUR ATHIRAH REMLEE, NUR ATHIRAH ABD WAHAB, DR. YUEN MEI LIAN, DR. RODZIAH NAZLAN	HYDROGEL FERTILIZER (HYDROZER) AS PLANT FOODBANK	STUDENT CATEGORY
56-I	GOLD	IZZA WAJIHAH BINTI ISMAIL, GS. DR. SYARIFUDDIN BIN MISBARI, DR. JACQUELINE ISABELLA ANAK GISEN, PROF. MADYA. TS. DR. AISHAH BINTI ABU BAKAR, MS. IRHAMILLAH BINTI KHAMSIM, ANIS NADIRA BINTI ASHA'ARI	QUANTIFICATION OF GREEN CARBON LOSS AFTER LANDSLIDE EVENT IN KUANTAN RIVER BASIN USING REMOTE SENSING - GIS TECHNOLOGY	STUDENT CATEGORY
57-A	GOLD	SHEREKA MEENAKSHI SRI A/P PANNEER SELVAM, ROZAIMI BIN ABU SAMAH, NORAZWINA BINTI ZAINOL, NASRATUN BINTI MASNGUT, RASYADA A RAHMAN @ RAHIM	SEASONING POWDER FROM OYSTER MUSHROOM STEMS	STUDENT CATEGORY

58-H	SILVER	NG MAN TENG, TS. DR. NOR SARADATUL AKMAR BINTI ZULKIFLI, TS. DR. MOHD FAIZAL BIN ABOUT RAZAK, TS. DR. NOR SYAHIDATUL NADIAH BINTI ISMAIL	SMELL PHISHY: A 2D PLATFORM GAME ABOUT PHISHING AWARENESS	STUDENT CATEGORY
59-E	GOLD	TAN ANN CHEE, SITI HATIHAH BINTI MORTAN, NORAZWINA BINTI ZAINOL, NORAZIAH BINTI ABU YAZID, SHALYDA BINTI MD SHAARANI@MD NAWI, NASRATUN BINTI MASNGUT	APPLICATION OF POLYPHENOL FROM PINEAPPLE LEAVE JUICE AS BROMELAIN'S STABILIZER IN FACIAL TONER	STUDENT CATEGORY
60-F	SILVER	NUR ALIA AQILLA BINTI MOHD HANIFF, MUHAMAD ISMAIL BIN ZULKAFLI	ZERO-WASTE FOR SUSTAINABLE FUTURE	STUDENT CATEGORY
61-D	SILVER	ATIQULLAH BIN HUZAIFAH @ JAENGGGA, MOHD NADZERI OMAR, MOHD HASNUN ARIF HASSAN, NASRUL HADI JOHARI	MOTION TRACKING DEVICE TO DETERMINE BIOMECHANICS OF A GOLF PLAYER	STUDENT CATEGORY
62-H	SILVER	MUHAMMAD WILDAN BIN MOHD AZMAN, TS. DR. NOR SARADATUL AKMAR BINTI ZULKIFLI, DR. NUR SHAMSIAH BINTI ABDUL RAHMAN, CZARUL AIMAN BIN ZAINAN, TS. DR. NOR SYAHIDATUL NADIAH BINTI ISMAIL, N/A	ROBO ESCAPE [SURVIVAL STATICS]	STUDENT CATEGORY
63-N	BRONZE	NUR KHAIRUNNISA BINTI YUSOF, NURUL SYAFIQAH BINTI IBRAHIM, DR. AAINAA IZAN BINTI NAFSUN	PRODUCTION OF ACTIVATED CARBON FOR WASTEWATER TREATMENT	STUDENT CATEGORY
64-H	SILVER	NEVAASHENEE A/P SURES, DR. SURAYA BINTI ABU BAKAR, DR. YUSNITA	AWARENESS OF SOCIAL ENGINEERING ATTACKS VIA CYBERSAFE GAME	STUDENT CATEGORY

65-H	BRONZE	TAI HONG ZHEN,DR. AZAMUDDIN BIN AB RAHMAN	ANALYZE MALICIOUS URL DETECTION AND CLASSIFICATION USING MACHINE LEARNING ALGORITHM	STUDENT CATEGORY
66-H	SILVER	RONALD LIM SHENG WEI ,NABILAH FILZAH MOHD RADZUAN	SAGE: A COMMUNITY EMPOWERED UNIVERSITY E-LEARNING APPLICATION	STUDENT CATEGORY
67-I	SILVER	BAXTIER BRANDON ANAK JUHENG,GS.DR SYARIFUDDIN BIN MISBARI,DR. YAHIDA,DR. AZRINA AZIZ,ZAINUDIN BIN AHMAD ZABIDI,MOHAMAD SYAZWAN BIN MOHD LATIF	GIS-BASED APPROACH MAPPING OF WATER POLLUTANT CONCENTRATION ALONG SG GALING	STUDENT CATEGORY
68-A	SILVER	AMIR HAMZAH BIN ABDUL AZIZ,NURUL SYAZWANI IZYAN BINTI MOHAMMAD FAIZUL,FATHIE BT AHMAD ZAKIL,DR NOOR ZIRWATUL AHLAN BINTI NAHARUDDIN	IOT BASED AUTOMATION SYSTEM FOR INDOOR OYSTER MUSHROOM CULTIVATION	STUDENT CATEGORY
69-I	GOLD	MOHAMAD JAMIL ARIF BIN MANSOR	INNOVATIVE TECHNOLOGY FOR SUSTAINABLE PRODUCTION OF ALUMINA FROM ALUMINIUM DROSS: AN OPTIMIZATION STUDY	STUDENT CATEGORY
70-O	SILVER	TAN JIE SIEW,DR. MOHD SHAIFUL ZAIDI BIN MAT DESA,SARMILA SIVAKUMAR,HAIRUL HISHAM BIN ISMAIL,DR. MOHD SHAROL HELMI BIN MAT DESA,AFKAR RABBANI HIDAYATULLAH BIN HIPENI	MECHANICAL BEHAVIOUR OF ENHANCED SOLID ANKLE CUSHION HEEL (SACH) FOOT DESIGN	STUDENT CATEGORY
71-M	BRONZE	SUHASHINY A/P PERIASAMY,DR. ZAHIAN BINTI ISMAIL	FAKE NIKE FOOTWEAR IDENTIFICATION USING BLOCKCHAIN	STUDENT CATEGORY

72-M	BRONZE	LIM AUN XIAN,ZAHIAN BINTI ISMAIL	UNIVERSITY E-VOTING SYSTEM UTILIZING BLOCKCHAIN TECHNOLOGY AND ZERO-KNOWLEDGE PROOFS	STUDENT CATEGORY
73-E	GOLD	AMIR SYARIFUDIN BIN BAHARUDIN,PROFESOR MADYA IR. DR NORAZWINA BINTI ZAINOL,DR. RASYADA BINTI A RAHMAN@RAHIM	APPLICATION OF EFFECTIVE MICROBE ON MUSHROOM WASTE FOR BOKASHI BRANS PRODUCTION	STUDENT CATEGORY
74-I	SILVER	SITI NUR AISYAH BINTI HASBULLAH,P.M. DR. SUNARTI BINTI ABD RAHMAN,NUR QURRATU' AINI BINTI ZAINODIN,NOR ATIRAH BINTI ABDUL GHONI,QURRATU AIN UZMA BINTI SAIFUDDIN	ALTERNATIVE LOW-COST FILLER (WASTE EGGSHELL) IN MIXED MATRIX MEMBRANE FOR THE EXCELLENT IRON REMOVAL FROM WATER	STUDENT CATEGORY
75-I	SILVER	MUHAMMAD FAZLEIZAM BIN MOHD KHAIRUDIN,GS. DR. SYARIFUDDIN BIN MISBARI	ASSESSMENT OF TOPOGRAPHIC VARIATION IN UMP GAMBANG CAMPUS	STUDENT CATEGORY
76-I	SILVER	GAN JING YI,PAVEETHRA SEGARAN,PROFESSOR MADYA TS. DR. RUWAIDA BT ABDUL RASID,YONG YUNG SHENG	GREEN RENEWABLE ENERGY AFTER TORREFACTION - GREAT FUEL	STUDENT CATEGORY
77-H	SILVER	JEHOVAH YII ZUI HON,ANDREW LIM WEI CHIN,NORWAZLI BINTI ABDUL WAHAB	FINEDU APPLICATION: BUILDING SUSTAINABLE WEALTH	STUDENT CATEGORY
78-H	GOLD	ANDREW LIM WEI CHIN,TS. DR. NOR SARADATUL AKMAR BINTI ZULKIFLI,TS. DR. NOR SYAHIDATUL NADIAH BINTI ISMAIL,DR. DANAKORN NINCAREN A/L EH PHON,TS. DR. WAN ISNI SOFIAH BINTI WAN DIN	FEXAR: AUGMENTED REALITY EXPERIENCE USING VUFORIA AND ARKIT FOR FIRE SAFETY AWARENESS	STUDENT CATEGORY

79-H	SILVER	LEE YUN SHUANG,DR. SYAMIMI MARDIAH BINTI SHAHARUM,DR ZETTY ADIBAH BINTI KAMARUZZAMAN,SOH JIA WEN,GRACE LEE ERN HUEY	EZY ATTENDANCE	STUDENT CATEGORY
80-I	GOLD	MUHAMMAD FARHAN LUTFILLAH BIN KAMARUDDIN,DR. ABDUL HALIM BIN ABDUL RAZIK	BIOMETHANE PRODUCTION SYSTEM FROM FOODWASTE	STUDENT CATEGORY
81-K	SILVER	MAHATHEVAN A/L SIVARAMAN ,AHMMAD SHUKRIE BIN MD YUDIN,ARVIN THAN A/L THIAGARAJAN,THINESSHWARAN A/L GUNASEKARAN,MUHAMMAD IQBAL AFIF BIN SHAMSUDIN,ABDULFATTAH SAEED AL-HAMED I	DEVELOPMENT OF PORTABLE DISHWASHER FOR CATERING COMPANY	STUDENT CATEGORY
82-E	GOLD	CHOONG JIAT EE ,NUR AUNI NAZIHAH BINTI OSMERA,SHAMALADEVI A/P MARIAPPAN,NGU CHANG YUAN ,NURUL AIN BINTI MOHAMAD ASRI , DR. NURUL 'AZYATI BINTI SABRI	INVENTION OF PINEAPPLE PEELS STAIN REMOVER AND PINEAPPLE PEELS STAIN REMOVER WITH ORANGE SCENT	STUDENT CATEGORY
83-A	BRONZE	IRFAN BIN AZMAN,AHMMAD SHUKRIE BIN MD YUDIN,NUR NAZIHAH BT ZOKIFELI,AHMAD ZULHILMI BIN MOHD ZAKI,MUHAMMAD ZHAFRAN BIN ZAMROS,MUHAMMAD AKRAM BIN JAMAL AKBAR	DEVELOPMENT OF MINI INDOOR FARMING SYSTEM	STUDENT CATEGORY
84-I	GOLD	NUR LAYLI BINTI WIRMAN,KAUSALYA A/P SUBRAMANIAM,NOOR INTAN SHAFINAS BINTI MUHAMMAD,FATIN ZAFIRAH BINTI MANSUR,PUNITHA MALAR A/P RAVI	URBAN MINING: RECOVERY OF COPPER FROM PCB WASTE AND IMPACTS ON THE ENVIRONMENT	STUDENT CATEGORY

85-L	SILVER	MUHAMMAD ASLAM BIN ZULKARNAIN, MUHAMMAD LUTFIL HADI BIN MOHD RIDUAN, DINNIE ZUNNUR'AIN BINTI ZULKARNAIN, DR. ZULKIFLI BIN AHMAD @ MANAP	DEZYBOT: ROBOT FOR EASY DELIVERY	STUDENT CATEGORY
86-M	SILVER	MOHAMAD MOHSIN BIN ISMAIL, SYAZWAN ZUHAIRI BIN SAMSUDDIN	MYSZTECH POINT OF SALES SYSTEM	STUDENT CATEGORY
87-M	BRONZE	YEO JIA HUI, JUNAIDA BINTI SULAIMAN, SURYANTI BINTI AWANG	DOSM PAHANG APPS	STUDENT CATEGORY
88-A	SILVER	NUR AINA ZAFIRAH BINTI ZAINORDIN, AHMMAD SHUKRIE BIN MD YUDIN, NUR HUDA BINTI RAMLAN, DU BO YUAN, NURUL IFFAH BINTI AHMAD AZMI, RASYADA BINTI A. RAHMAN @ RAHIM	DEVELOPMENT OF COMPOSTING SYSTEM FOR MUSHROOM FARM	STUDENT CATEGORY
89-M	SILVER	NOR ALIA MAISARAH BINTI HAMZAN, TS.DR. NOR SYAHIDATUL NADIAH BINTI ISMAIL, MUHAMMAD SYAFIK IKMAL BIN NAZARUDDIN, TS.DR NOR SARADATUL AKMAR BINTI ZULKIFLI, DR NOOR AZIDA BINTI SAHABUDIN	AUTOMATIC PET FEEDER USING INTERNET OF THINGS (IOT) TECHNOLOGY	STUDENT CATEGORY
90-H	BRONZE	LIM WEI KEE, NOOR AZIDA BINTI SAHABUDIN, MUHAMMAD IRFAN SAFWAN BIN MOHD YUSOF, NOR SARADATUL AKMAR BINTI ZULKIFLI, NUR SHAMSI AH BINTI ABDUL RAHMAN, SALWANA BINTI MOHAMAD @ ASMARA	EDUGAME: LET'S GO GREEN!	STUDENT CATEGORY

91-O	GOLD	MUHAMMAD AMIRUL ISYRAF ROHISMADI, DR. ANIS FARIHAN MAT RAFFEI, ASST. PROF DR. MOHD. HAFIDZ ITHNIN, DR. SHAH FAREZ OTHMAN, TS. DR. NOR SARADATUL AKMAR ZULKIFLI, TS. DR. MOHD ARFIAN ISMAIL	BINOCULAR VISION CLINIC MANAGEMENT AND DIAGNOSIS SYSTEM	STUDENT CATEGORY
92-M	SILVER	LIONG WOEI CHI, TS. DR NOR SYAHIDATUL NADIAH BINTI ISMAIL, MUHAMMAD HAFIZH BIN ARMSTRONG@MOHD YAZID, TS. DR NOR SARADATUL AKMAR BINTI ZULKIFLI, DR. SALWANA BINTI MOHAMAD @ ASMARA	INTERNET OF THINGS (IOT) IN SMART RECYCLE BIN APPLICATION USING ARTIFICIAL INTELLIGENCE (AI) TECHNOLOGY.	STUDENT CATEGORY
93-F	SILVER	NUR KHALIESAHUSNA BINTI MOHAMAD KHAIRUDDIN, DR. NUR FARHAYU BINTI ARIFFIN, DR. SHARIFAH MASZURA BINTI SYED MOHSIN, HUMAIRA BINTI MARZUKI, FIKRIYAH NUR HAJAR BINTI AZMI, NUR SYAFIQAH BINTI ZULKIFLY	CONSTRUCTION MATERIALS PRICE : BEFORE, DURING AND POST PANDEMIC	STUDENT CATEGORY
94-K	BRONZE	YEW JIA YIE, DR. ANIS FARIHAN MAT RAFFEI, DR. NUR SHAMSI AH ABDUL RAHMAN, DR. NOOR AZIDA SAHABUDIN, TS. DR. MOHD ARFIAN ISMAIL	A HOUSEHOLD SOLID WASTE SORTING AND RECOGNITION RECYCLING SYSTEM	STUDENT CATEGORY
95-F	BRONZE	NUR SYAFIQAH BINTI ZULKIFLY, DR. NUR FARHAYU BINTI ARIFFIN, PM DR. KHAIRUNISA MUTHUSAMY, FIKRIYAH NUR HAJAR BINTI AZMI, HUMAIRA BINTI MARZUKI, NUR KHALIESAHUSNA BINTI MOHAMAD KHAIRUDDIN	FLOODING : STRUCTURE DEFECT	STUDENT CATEGORY

96-E	SILVER	TAN WEI FENG ,ASSOC. PROF. TS. DR. RAIHANA ZAHIRAH BINTI EDROS,TARA QASYREENA AISHA BINTI ABD HALIM	INVESTIGATION OF NEUROPROTECTION ACTIVITY OF PHYTOCHEMICALS PRESENT IN MALAYSIAN KELULUT HONEY	STUDENT CATEGORY
97-O	GOLD	AIMI SOLEHA BINTI BABA,TS. DR. HANIDA BINTI ABDUL AZIZ,TS. HAIRUNNISA BINTI OSMAN	TRACKING TOOL FOR COVID-19 SOPS COMPLIANCE AT CONSTRUCTION INDUSTRY (CSC_COVID 19)	STUDENT CATEGORY
98-I	GOLD	FOO XIAO BING,SHARLENE ESOOTHAS,HARIDHARANI PERUMAL,MOHAMMED KHALED AL-ASHWAL,ASSOCIATE PROFESSOR TS DR RUZINAH ISHA	WASTE TO FUEL MOBILE PYROLYSER	STUDENT CATEGORY
99-O	SILVER	NIK IZZAT AMIRUL BIN MOHD ZAILANI	HUMAN STAGE INTERPRETATION AND ANALYSES BASED ON EEG AND LABVIEW	STUDENT CATEGORY
100-I	SILVER	LEONG PI YEE,TS. DR. NOR SARADATUL AKMAR BINTI ZULKIFLI,DR. NOOR AZIDA BINTI SAHABUDIN,DR. SALWANA MOHAMAD @ ASMARA,TS. DR. NOR SYAHIDATUL NADIAH BINTI ISMAIL	PURIFICATION: 2D SERIOUS GAME OF ENVIRONMENTAL ISSUES	STUDENT CATEGORY
101-H	SILVER	LEE ZI XUAN,TS. DR. SURYANTI BINTI AWANG,TS. DR. NOR SARADATUL AKMAR BIN,DR. NOOR AZIDA BINTI SAHABUDIN,DR. DANAKORN NINCAREAN A/L EH PHON	EDUCATIONAL MULTIPLAYER GAME FOR ENCOURAGE COMMUNICATION SKILL DURING COVID-19	STUDENT CATEGORY
102-I	SILVER	GOH MEI KEI,DR. DANAKORN NINCAREAN A/L EH PHON,DR. NOR SARADATUL AKMAR BINTI ZULKIFLI	ENVIRONMENTAL SUSTAINABILITY GAME FOR ELEMENTARY SCHOOL STUDENTS (GREEN GENIE)	STUDENT CATEGORY
103-N	SILVER	REESHAANTHIRAN JAYARAM,PROF. DR. KAMAL YUSOH	SYNTHESIS OF GRAPHENE VIA LIQUID EXFOLIATION TECHNIQUE	STUDENT CATEGORY



104-O	SILVER	ARVINTHAN A/L THIAGARAJAN, THINESHWARAN A/L GUNASEKARAN, ASSOC. PROF. TS. DR. MOHD AZRUL HISHAM BIN MOHD ADIB	COLOR IDENTIFICATION DEVICE FOR VISUALLY IMPAIRED PATIENTS	STUDENT CATEGORY
105-G	GOLD	MUHD FAREEZ HILMAN BIN AZLINSHAH, MUHD ASNIZAL BIN ASMANI, NUR IZZATY BINTI SELAMAT, NURUL 'ATIQA BINTI MOHAMMAD NORISHAM, NURUL NAZRIN BINTI MUSTAFA, ASSOC. PROF. TS. DR. MOHD AZRUL HISHAM BIN MOHD ADIB	SMART SQUEEZE DEVICE FOR AUTISM KIDS	STUDENT CATEGORY
106-I	GOLD	MUHAMMAD ADAM BIN AHMAD ARIFF, TS. DR NORIDA BINT RIDZUAN, LING CHUNG KING, AHMAD SYAHMI BIN TAJARAZHAR, AIMIELYA FARISHA NASUHA BINTI AHMAD PIRDAUS	NOVEL MUD FORMULATION: NEW TECHNIQUES TO IMPROVE THE MUD CHARACTERISTIC	STUDENT CATEGORY
107-K	SILVER	TAN CHEE KIN, NABILAH FILZAH MOHD RADZUAN	ORDER MANAGEMENT SYSTEM FOR RESTAURANT (OMSR)	STUDENT CATEGORY
108-B	SILVER	KU AHMAD IRFAN FITRI BIN KU ADZMAN, DR. AIMAN BIN MOHD HALIL, PROFESOR DR. MAHADZIR BIN ISHAK @ MUHAMMAD, DR. MOINUDDIN MOHAMMED QUAZI, DR. MOHD FADHLAN BIN MOHD YUSOF, TS. DR. LUQMAN HAKIM BIN AHMAD SHAH	DRILLING FOR PERFECTION: REVOLUTIONIZING MANUFACTURING WITH LASER MICRO DRILLING TECHNOLOGY	STUDENT CATEGORY
109-I	SILVER	IRNA HASLINA IBRAHIM, NUREMIRAH SYAFIQAH BINTI SUHAIMI	SYNGAS PRODUCTION VIA METHANE BI-REFORMING : APPROACH TO GREENER ENERGY RESOURCES	STUDENT CATEGORY

110-I	SILVER	LEE WEI POH,NURUL HAZIRAH HASNOL,NOR AZURA CHE MAHMUD,AP IR. DR. SYED MOHD SAUFI TUAN CHIK,AP DR. MAZRUL NIZAM ABU SEMAN,AP TS. DR. MIOR AHMAD KHUSHAIRI MOHD ZAHARI	THIN FILM NANOCOMPOSITE MEMBRANE FOR BORON REMOVAL	STUDENT CATEGORY
111-E	SILVER	NUREEN ADANY BINTI ZAIN,DR. CHEW FEW NE	LACCASE/OXIDIZED BACTERIAL CELLULOSE IMMOBILIZED BIOCATALYST FOR DECOLORIZATION	STUDENT CATEGORY
112-M	GOLD	KONG CHOON,TS. DR. HOH WEI SIANG	KID LEARN	STUDENT CATEGORY
113-B	SILVER	MUHAMMAD IZZUDDIN BIN SHAIFFUL ANNUAR ,DR. AIMAAN BIN MOHD HALIL,PROFESOR DR. MAHADZIR BIN ISHAK @ MUHAMMAD,DR. MOINUDDIN MOHAMMED QUAZI,DR. MOHD FADHLAN BIN MOHD YUSOF,TS. DR. LUQMAN HAKIM BIN AHMAD SHAH	SHINING THE LIGHT ON SURFACE STRENGTHENING: LASER SHOT PEENING	STUDENT CATEGORY
114-C	GOLD	ADLINA SYAFIQAH SAMSUDIN,SAIFUL ANWAR CHE GHANI,NUR ATIFAH MAZRI,IZZATI SALWANI ZAIDI,FATIN THAHIRAH ANWAR,NURUL IFFAH AHMAD AZMI	INTEGRATING A GEAR SWITCHING AND PEDAL ROBOTICS SYSTEM WITH IOT FOR CONTROLLING THE CAR MANUAL TRANSMISSION	STUDENT CATEGORY
115-A	GOLD	MOHD AKID SHAZRI BIN MOHD SHAPARI,MOKHZANI BIN ABU BAKAR,NIK ABDUL RAHMAN BIN NIK RAHIMI,MUHD HARIZ ASYRAF BIN MAZUKI,NURUL SYAFIQAH BINTI ZAIDI,DR MOHD AZRAAI BIN MOHD RAZMAN	AGRONETICS DATA MONITORING DEVICE	STUDENT CATEGORY

116-N	SILVER	MOHAMAD AQID SYAFAAT BIN AMRAN,MUHAMMAD AMIRUL DANISH BIN ROSLAND,DZAINUR REDHA BIN ZAINAL,TS.DR. AZIZUL HELMI BIN SOFIAN	DEVELOPMENT OF GREEN-BASE COATINGS FOR CORROSION PROTECTION USING CHITOSAN	STUDENT CATEGORY
117-M	SILVER	MOHAMMAD DANIEL BIN ABDUL AZIZ,MUHAMAD IMRAN BIN MAHDZIR,NURUL ATIKAH BT SAMSUDDIN,DR. SYUKRAN HAKIM BIN NORAZMAN,AIMAN FIRDAUS BIN MOHD SHUHAIMI	TOUCHLESS SELF CHECKOUT SYSTEM	STUDENT CATEGORY
118-I	SILVER	KHALED OMAAR ABDULLAH AL-ORABI,DR JACQUELINE ISABELLA ANAK GISEN,GS. DR. SYARIFUDDIN BIN MISBARI,NUR NAJIHAH BINTI SHAMSUDDIN,MUHAMMAD AMIRUDDIN BIN ZULKIFLI	GIS TECHNOLOGY FOR SATELLITE-BASED LAND USE AND LAND COVER (LULC) CLASSIFICATION AND MANGROVE SUSTAINABILITY.	STUDENT CATEGORY
119-M	GOLD	ARIFUZAMAN MOIN,NG SUIT YAN,ROZLINA MOHAMED,ROSLINA MOHD SIDEK	ONLINE VOTING BASED ON MULTI CRITERIA DECISION MAKING (MCDM)	STUDENT CATEGORY

## SCHOOL CATEGORY

BOOTH ID	AWARD	NAME	TITLE	CATEGORY
3-I	<b>SILVER</b>	ABDURRAHMAN BIN AHMED MOKHTAR ALBSHIR BUDIEA, MUHAMMAD ARIFF BIN ARIPIN, ADAM HASSAN BIN SAFFUAN	GREEN MOBILE STEPPING STONE : TOWARDS A HEALTHIER AND GREENER FUTURE	SCHOOL CATEGORY
4-H	<b>GOLD</b>	MUHAMMAD ZAHEERUL HAYYAN BIN MOHAMAD ZAFFRULLAH, MUHAMMAD HARITH FITRI BIN AHMAD FITRI, ZEYDAN EL SAJJAD BIN ZAHIR EFFENDI, MUHAMMAD FARIS AMSYAR BIN MOHD FAZLII, MOHD FAZLI BIN ABDUL JALIL, MARYAM BINTI AHMED MOKHTAR ALBSHIR BUDIEA	TOWER HIDROPONIC WITH SOLAR SYSTEM FOR MODEL REKA BENTUK TEKNOLOGI SUBJECT	SCHOOL CATEGORY
5-N	<b>BRONZE</b>	AIESYAH GIULLIANA MOHD GHADAFI, ADAM GHAZALI MOHD GHADAFI	CAT LITTER WITH ODOUR CONTROL FROM SPENT COFFEE GROUND	SCHOOL CATEGORY
6-J	<b>SILVER</b>	DAING KAASHIF EUSUFF BIN DAING MOHAMAD NAFIZ, ADEL RAYYAN BIN AHMAD SYAHIRULFITRI HABIBI, AHMAD FITRI BIN YUSOP	KAAI-CUBER: AI-POWERED ROBOT TO SOLVE THE RUBIK'S CUBE	SCHOOL CATEGORY

7-J	<b>BRONZE</b>	NUUR ORKED BINTI AHMAD FITRI,AHMAD MIKAEL BIN AHMAD FITRI,AYMAN RIFQI ZAAFARANI BIN ASRI,DAING MOHAMAD NAFIZ BIN DAING IDRIS	LINE FOLLOWING TROLLEY	SCHOOL CATEGORY
8-J	<b>BRONZE</b>	DAING AQEELA ERYNA BINTI DAING MOHAMAD NAFIZ,SAFIYYAH Wafa BINTI SHAHRIDAN AIZAD,ENGKU MAYESA WAAFI BINTI ENGKU MOHD NUHAIRI,ILANA BINTI ZAKUAN AZIZI	EXPLORING PROGRAMMING WITH ARDUINO AND UNNEEDED PLARAIL TRAIN TOY	SCHOOL CATEGORY
9-H	<b>GOLD</b>	NUR AIN SOFEA BINTI SHAMSUDDIN ,NUR JUITA BATRISYIA BINTI MOHD FAISAL ,NUR ADLINA SYAHMINA BINTI ADI HAMRON ,MOHD FAISAL BIN AB SALAM,MOHD AZMI BIN NOR,NOOR ADNIN BT ZAKARIA	IDOA : KEY TO MASTERY PRAYER	SCHOOL CATEGORY
10-I	<b>BRONZE</b>	NIK RABIATUL ADAWIYAH ,RIFQAH QISTINA ,PUTERI NUR QASEH NAJIHAH,MOHD FAISAL ,WAHIRI MOHAMMAD ,MOHD HELMI ABD WAHAB	IFRAGRANCE : LUXURIOUS YET NATURAL	SCHOOL CATEGORY