

SENARAI PEMENANG KLUSTER SAINS, TEKNOLOGI DAN KEJURUTERAAN

No.	Booth No.	Project Leader Name	Invention / Innovation Title	Category	Cluster	Faculty / Institute / School / Academy	Medal
1	A-STE-150	Janna Ong Abdullah	Unravelling And Exploiting Fragrance Pathways Of Vanda Mimi Palmer	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Biotechnology and Biomolecular Sciences	Gold
2	B-STE-479	Raja Noor Zaliha Raja Abd. Rahman	L2 Lipase: Thermostable Enzyme For Industrial Applications	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Biotechnology and Biomolecular Sciences	Gold
3	B-STE-477	Raja Noor Zaliha Raja Abd. Rahman	Organic solvent stable lipase from Staphylococcus epidermidis AT2	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Biotechnology and Biomolecular Sciences	Gold
4	B-STE-468	Mohamed Othman	Performance Evaluation for Simultaneous and Successive Mobility for Mobile IPv6	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Gold
5	A-STE-177	Muhamad Taufik bin Abdullah	Concept-based Query Translation using Malay-English Bilingual Dictionary	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Gold
6	C-STE-530	Bakri Bakar	Power Buoy	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Gold
7	C-STE-553	Razman Bin Ramli	Personal Alarm For Kids	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Gold

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8	C-STE-559	Shahrul Azman Shahbudin	Disposeable Food Container	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Gold
9	A-STE-115	Ahmad Fauzi Abas	Level Spacing Optimization for Duty- Cycle Division Multiplexing System	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Gold
10	C-STE-523	Abd. Rahim Abu Talib	Multifunction Dispossable Safety Syringe	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Gold
11	A-STE-126	Elias Saion	Radiation induced synthesis of size controlled metal nanoparticles	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Gold
12	A-STE-198	Norfifah Bachok	Boundary-layer flow of nanofluids over a moving surface in a flowing fluid	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Gold
13	A-STE-168	Mohd Basyaruddin Abdul Rahman	Proline-Based Chiral Ionic Liquids For Asymmetric Reactions : The Simplest 'Enzyme'?	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Gold
14	A-STE-226	Zainidin Eshkuvatov	Approximating the singular integrals of Cauchy type with weight function on the interval	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Gold
15	B-STE-497	Zanariah Abdul Majid	Parallel block method using MPI on High Performance Computing	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Gold
16	A-STE-157	Mahiran Basri	Self-assembly behaviour of alkylpolyglucosides (APG) in mixed surfactant-stabilized nanoemulsion system	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Gold

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17	B-STE-443	Azmi Zakaria	Fabrication of Silver Nanoparticles Dispersed in Palm Oil Using Laser Ablation	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Gold
18	A-STE-154	Mahendran Shitan	A First-Order Spatial Integer-Valued Autoregressive SINAR(1,1) Model	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Gold
19	A-STE-199	Norfifah Bachok	Melting heat transfer in boundary layer stagnation-point flow towards a stretching/shrinking sheet	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Gold
20	A-STE-228	Zarina Bibi Ibrahim	Multiblock Backward Differentiation Formulas For Solving Ordinary Differential Equations	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Gold
21	A-STE-159	Mansor Bin Ahmad @ Ayob	Synthesis and Characterization of Silver/Montmorillonite/Chitosan Bionanocomposites by Chemical Reduction Method and Their Antibacterial Activities	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Gold
22	B-STE-437	Abd Wahid Haron	Selection of immature bovine oocytes using brilliant cresyl blue enhances nuclear maturity after vitrification	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Veterinary Medicine	Gold
23	B-STE-438	Abd Wahid Haron	Ghrelin improves the development of bovine preimplantation embryos in vitro	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Veterinary Medicine	Gold

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24	C-STE-528	Ahmad Rodzi Bin Mahmud	Alternative Procedure of the Sales Comparison Method (SCM) for Valuing Properties	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Advanced Technology	Gold
25	B-STE-481	Robiah Yunnus	A technology to produce encapsulated nanoparticles for controlled release of drugs	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Advanced Technology	Gold
26	C-STE-536	Ezrin Bin Mohd Husin	SOILPROP: Soil Properties Mapping System Using Apparent Electrical Conductivity Sensor	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Advanced Technology	Gold
27	A-STE-111	Abdumalik Rakhimov	Localization Principle of the Spectral Expansions of Distributions Connected with Schrodinger Operator	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Gold
28	A-STE-227	Zanariah Abdul Majid	Solving Directly Two Point Boundary Value Problems Using Direct Multistep Method	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Gold
29	A-STE-114	Adem Kilicman, Amin Saif	Lower Separation and Regularity Axioms in Fuzzy Topological Spaces	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Gold
30	A-STE-161	Mohamad Rushdan Md Said	Addition Chain for Smooth Integers Using Decomposition Method	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Gold
31	A-STE-145	Hishamuddin Zainuddin	A Study of String Cosmological models with Time Decaying Vacuum Energy Density	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Gold
32	A-STE-197	Norazak Senu	A New Diagonally Implicit Runge-Kutta-Nyström Method for Periodic IVPs	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Gold

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33	A-STE-200	Norfifah Bachok	Flow and heat transfer at a general three-dimensional stagnation point in a nanofluid	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Gold
34	B-STE-460	Maheran Abd Aziz	In Vitro Plant Regeneration and Acclimatisation of Brassica oleracea subsp. italica cv. Green Marvel	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Tropical Agriculture	Gold
35	B-STE-489	Siti Nor Akmar Abdullah	Functional Operation of an Eukaryotic Promoter from the Oil Palm in Prokaryotes	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Tropical Agriculture	Gold
36	A-STE-214	Siti Nor Akmar Abdullah	New Insights into the Fruit-specific Regulated and Abiotic Stress-responsive Gene Expression in Oil Palm	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Tropical Agriculture	Gold
37	B-STE-461	Maheran Abd Aziz	Optimization of Agrobacterium tumefaciens-mediated transformation and shoot regeneration after co-cultivation of cabbage cv. KY Cross with AtHSP101 gene	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Agriculture	Silver
38	A-STE-207	S. M. Nurul Amin	Stock Status and Management of Planktonic Shrimps Acetes for Sustainable Livelihood of Small Scale Coastal Fishermen in Malaysia	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Agriculture	Silver

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39	C-STE-551	Nurfadhlina Mohd Sharef	FText: Fuzzy Text Extractor	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Silver
40	A-STE-169	Mohd Hasan Selamat	Descriptive Complexity of Tree Controlled Grammars	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Silver
41	B-STE-467	Mohamed Othman	shortcoming, problems and analytical comparison for flooding- based search techniques in unstructured P2P networks	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Silver
42	B-STE-466	Mohamed Othman	Royal Associativity Clustering Technique for Ad Hoc Routing Protocol	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Silver
43	B-STE-476	Rahmita Wirza O.K. Rahmat	Automatic Boundary Detection of Wall Motion in Two-dimensional Echocardiography Images	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Silver
44	C-STE-552	Rahmita Wirza O.K. Rahmat	Automated System for Identification and Quantification of Lesions in Coronary Arteriograms	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Silver
45	B-STE-450	Fatimah Sidi	A Threshold-based Combination of Semantic and String Similarity Measures for Record Linkage	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Silver

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46	B-STE-501	Zuriati Ahmad Zukarnain	Applying Packet Generator for Secure Network Environment	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Silver
47	C-STE-539	Hasry Yunardi Hassan	Safety Mask For Pesticides Activity	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Silver
48	C-STE-547	Mohd Faiz Bin Yahaya	Save Me (Fire Extinguisher)	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Silver
49	C-STE-538	Hasry Yunardi Hassan	MIMESIS - Functional Sculpture For Sultan Salahudin Abdul Aziz Shah Cultural And Art Hall, Universiti Putra Malaysia.	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Silver
50	C-STE-544	Mohamizzam Mohammad	Sport Protection Suit	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Silver
51	C-STE-557	Sazrinee binti Zainal Abidin	Compost Sanitary Product Bin	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Silver
52	B-STE-486	Salmiaton Ali	Syngas Production From Empty Fruit Bunch Gasification With Malaysian Dolomites As Downstream Catalyst	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Silver
53	B-STE-440	Abdul Rashid B Mohamed Shariff	Oil Palm Spectrum Nutrient Sensing	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Silver

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54	C-STE-550	Norman Bin Mariun	Design and Development of a Reliable and Efficient Staircase-Output Multi-Level Inverter for Photovoltaic Applications	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Silver
55	B-STE-502	Zurina Zainal Abidin	Jatropha curcas as potential biocoagulant for wastewater treatment	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Silver
56	A-STE-127	Fakhrul Razi Ahmadun	Bioremediation of crude oil contaminated soil with solid polymer partitioning bioreactor	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Silver
57	B-STE-439	Abdul Halim Ghazali	Effects of Drying and Salt Extraction of Moringa Oleifera on Its Coagulation of High Turbidity Water	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Silver
58	B-STE-471	Mohd Basyaruddin Abdul Rahman	Towards Efficacy of Lignocellulosic Biomass Utilization by Ionic Liquids	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
59	C-STE-562	Wan Md Zin Wan Yunus	Chemical bath deposition of tin oxide thin film solar cell	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
60	A-STE-137	Habshah Midi	Robust Two Stage Estimator in Nonlinear Regression with Autocorrelated Errors	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
61	A-STE-217	Taufiq Yap Yun Hin	A Method of Producing Biodiesel Using Heterogeneous Catalytic System	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
62	A-STE-220	W. Mahmood Mat Yunus	Detection of Heavy Metal Ions Using Surface Plasmon Resonance Spectroscopy	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver

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63	B-STE-491	Tan Kar Ban	Synthesis and Characterization of New Pyrochlores in Bi ₂ O ₃ -MgO-Ta ₂ O ₅ ternary system	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
64	B-STE-495	Wan Md Zin Wan Yunus	Enhancement of Tensile Strength and Flexibility of Polycaprolactone/Tapioca Starch Blends by Octadecylamine Modified Clay	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
65	B-STE-500	Zulkarnain Zainal	Electrochemical Synthesis of Titania Nanotubes (TNT) for Photoelectrochemical Cell	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
66	B-STE-498	Zarina Bibi Ibrahim	VSVO-BBDF: Efficient Solver for Solving Stiff Ordinary Differential Equations	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
67	A-STE-196	Norazak Senu	A 4(3) Pair Runge-Kutta-Nystr�m Method for Periodic Initial Value Problems	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
68	B-STE-490	Tan Kar Ban	Synthesis and electrical properties of non-stoichiometric bismuth copper tantalate (BCT) pyrochlores	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
69	A-STE-124	Chen Soo Kien	X-ray Powder Diffraction Study on the MgB ₂ Superconductor Reacted With nano-SiC: The Effects of Sintering Temperature	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
70	A-STE-212	Sidek Hj Ab Aziz	Physical Studies Of Borotellurite Glass Doped With Manganese	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver

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71	B-STE-449	Elias Saion	A simple thermal treatment method for synthesis ferrite nanoparticles	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
72	B-STE-492	Tan Yen Ping	Synthesis and Characterization of Yttrium-doped Ceria For Potential Solid Oxide Fuel Cell Application	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
73	A-STE-225	Zainal Abidin Talib	Photoacoustic characterization of CuSe metal chalcogenide semiconductor using phase signal analysis	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
74	B-STE-494	Tengku Sharifah Marliza Binti Tengku Azmi	Determination Of Vanadium(IV) And Vanadium(V) In Benfield Samples By IEC With Conductivity Detection	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
75	B-STE-496	Wan Zin Wan Yunus	Prediction of grain size, thickness and absorbance of nanocrystalline tin oxide thin film by Taguchi robust design	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
76	A-STE-219	Taufiq Yap Yun Hin	Calcium-Based Mixed Oxide Catalysts for Methanolysis of Jatropha Curcas Oil to Biodiesel	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
77	A-STE-224	Zainal Abidin Talib	Effects of ZnO on Dielectric Properties and Electrical Conductivity of Ternary Zinc Magnesium Phosphate Glasses	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
78	A-STE-213	Sidek Hj Ab Aziz	Ultrasonic Study Of Rare-Earth Doped GeO ₂ -PbO-Bi ₂ O ₃ Glass	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver

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79	A-STE-222	Zainal Abidin Talib	X-Ray Diffraction Analysis of Thermally Evaporated Copper Tin Selenide Thin Films at Different Annealing Temperature	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
80	A-STE-176	Mohd Zobir Bin Hussein	Inorganic-based phytohormone delivery vector of 2-chloroethylphosphonate nanohybrid, a new stimulating compound with controlled release property to increase latex production	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
81	A-STE-125	Elias Saion	Quantum Mechanical Analysis of Metal Nanoparticles	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
82	A-STE-211	Sidek Hj Ab Aziz	Synthesis And Physical Characterization Of Silica Based Glass From Rice Husk	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
83	A-STE-223	Zainal Abidin Talib	Structural, morphology and electrical properties of layered copper selenide thin film	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
84	A-STE-210	Sidek Hj Ab Aziz	New Zinc Oxyfluorotellurite Glass For Optical Devices	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
85	A-STE-218	Taufiq Yap Yun Hin	Influences of Various Metal Dopants on the Nanosized Vanadium Phosphate Catalysts	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver

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86	A-STE-174	Mohd Zobir Bin Hussein	Effect of Incoming And Outgoing Exchangeable Anions on the Release Kinetics of Phenoxyherbicides Nanohybrids	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
87	A-STE-153	Lim Kean Pah	Effect of Sintering Temperature on Magnetic and Magnetoresistive Effect in (La,Pr) _{0.67} Ba _{0.33} MnO ₃ System	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
88	A-STE-144	Haslina Ahmad	Kinetically Locked Metallomacrocyclic as Potential Antitumor Agent	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
89	A-STE-191	Nor Azowa Ibrahim	Modification of Poly vinyl chloride using poly(butylene adipate-co-terephthalate)	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
90	A-STE-190	Nor Azowa Ibrahim	Effect of organoclay on poly(butylensuccinate)/poly(butylene adipate-co-terephthalate) nanocomposites	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Silver
91	C-STE-543	Md Zuki Bin Abu Bakar@Zakaria	Method for producing calcium carbonate nanoparticles	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Veterinary Medicine	Silver
92	C-STE-560	Siti Nooradzah Adam	Digital Hyperspectral Library of Materials	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Advanced Technology	Silver
93	A-STE-123	Azmi Zakaria	Use of Reflectance Spectroscopy Accessory for Band-gap measurement of ZnO-Bi ₂ O ₃ -TiO ₂ ceramics	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Advanced Technology	Silver

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94	A-STE-185	Napsiah Ismail	Development of Signal Processing Algorithm for Effective Ultrasonic NDE on Multi-Layered Composite Materials	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Advanced Technology	Silver
95	C-STE-561	Suraya Abdul Rashid	Production of High Strength Concrete Using SiO ₂ Nanoparticles and Agro-Waste Rice Husk Ash	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Advanced Technology	Silver
96	A-STE-129	Fatimah Md. Yusoff	First Report on Population Characteristics and Fecundity of Long-Spined Sea Urchin, <i>Diadema setosum</i> from Peninsular Malaysia	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Bioscience	Silver
97	B-STE-458	Khozirah Shaari	3-PDOA and 3-IDOA: two marine natural product compounds with potent anticancer properties from the sponge <i>Aaptos aaptos</i>	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Bioscience	Silver
98	A-STE-133	Gafurjan Ibragimov	Solution of a linear pursuit-evasion game with integral constraints	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Silver
99	A-STE-120	Anvarjon Ahmedov	Approximate solution of the system of nonlinear integral equation by Newton-Kantorovich method	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Silver
100	A-STE-134	Gafurjan Ibragimov	Solution of a linear pursuit-evasion game with integral constraints	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Silver

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101	A-STE-113	Adem Kilicman	On the Solutions of Nonlinear Higher-Order Boundary Value Problems by Using Differential Transformation Method and Adomian Decomposition Method	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Silver
102	A-STE-164	Mohamed Othman	An Optimum Free-Table Routing Algorithms Of Modified And Traditional Chordal Ring Networks Of Degree Four	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Silver
103	A-STE-112	Adem Kilicman	On the wave equation and tensor products	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Silver
104	A-STE-187	Nik Mohd Asri Bin Nik Long	Computation of energy release rates for a nearly circular crack	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Silver
105	A-STE-201	Norfifah Bachok	Mixed convection boundary layer flow near the stagnation point on a vertical surface embedded in a porous medium with anisotropy effect	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Silver
106	B-STE-452	Habshah Midi	Change Point Detection with Robust Control Chart	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Silver
107	A-STE-109	Abasalt Bodaghi	A Fixed Point Approach to the Stability of (Quadratic) Double Centralizers and (Quadratic) Multipliers	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Silver

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108	B-STE-451	Habshah Midi	The Effect of Collinearity-influential Observations on Collinear Data Set	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Silver
109	A-STE-146	Ho Chai Ling	Transcriptomic changes in the root of oil palm (<i>Elaeis guineensis</i> Jacq.) upon inoculation with <i>Bacillus sphaericus</i> UPMB10	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Tropical Agriculture	Silver
110	B-STE-457	Khalina Abdan	High Moisture Durability of Moulded Biocomposite	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Tropical Forestry and Forest Products	Silver
111	B-STE-455	Khalina Abdan	Kenaf nanofiber/Poly(lactic acid (PLA) Nanocomposite	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Tropical Forestry and Forest Products	Silver
112	B-STE-456	Khalina Abdan	Feasibility of biocomposite processing in manufacturing industries	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Tropical Forestry and Forest Products	Silver
113	C-STE-540	Luqman Chuah Abdullah	Building Products Having Phase Change Materials	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Tropical Forestry and Forest Products	Silver
114	C-STE-534	Edi Syams Zainudin	Potential of Pineapple Leaves Fibres as a Substitute to glass Fibre in hybridized composites	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Tropical Forestry and Forest Products	Silver
115	A-STE-179	Muhammad Nazrul Hakim	Development Of Liposomal Encapsulation For Piroxicam	Fundamental (A)	Science, Technology, and Engineering (STE)	Sports Academy	Silver

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116	A-STE-180	Muhammad Nazrul Hakim	Polypeptide-k accelerate the reduction of blood glucose level in healthy adults	Fundamental (A)	Science, Technology, and Engineering (STE)	Sports Academy	Silver
117	A-STE-208	S. M. Nurul Amin	Species Composition and Seasonal Variation of Set Bag Net (SBN) Catches in the Coastal Waters of Kedah	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Agriculture	Bronze
118	A-STE-122	Aziz Arshad	Diversity, Distribution and Ecology of Fish Larvae in the Estuary of Sg. Pendas, Johor	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Agriculture	Bronze
119	B-STE-482	Rosfarizan Binti Mohamad	Lipase-Catalyzed Synthesis Of Palm-Based Kojic Acid Ester	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Biotechnology and Biomolecular Sciences	Bronze
120	A-STE-165	Mohd Arif bin Syed	Biodegradation of Keratinous Feather Waste by Bacillus sp. khayat	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Biotechnology and Biomolecular Sciences	Bronze
121	B-STE-478	Rahmita Wirza O.K. Rahmat	3D Depth Measurement using Images via Rotational Optical Flow Magnitude.	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze
122	A-STE-162	Mohamed Othman	Enhanced Ip Spoofing Defense Through Clustred Interdomain Packet Filtering Strategy	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze

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123	A-STE-209	Shamala Subramaniam	Cohesive Token Passing Algorithm Utilizing Software Agents	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze
124	A-STE-230	Zuriati Ahmad Zukarnain	On the delay and link utilization with the new-additive increase multiplicative decrease congestion avoidance and control algorithm	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze
125	B-STE-464	Mohamed Othman	Network Load and Packet Loss Optimization during Handoff using Multi-scan Approach	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze
126	B-STE-465	Mohamed Othman	Field Programmable Gate Arrays (FPGAs) based Systolic Modified Explicit Group Core	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze
127	B-STE-493	Teh Noranis Binti Mohd Aris	Application of Graph Algorithms for Computing Mechanical Properties of Fullerene C70 Nanoparticle	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze
128	B-STE-474	Norwati Mustapha	Intrusion Detection System with Data Stream Clustering Approach	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze
129	A-STE-163	Mohamed Othman	Rated Window Method and Packet Size Differentiation Scheme for TCP Fairness Guarantee in IEEE 802.11 WLAN	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze

SENARAI PEMENANG KLUSTER SAINS, TEKNOLOGI DAN KEJURUTERAAN

130	A-STE-148	Jamilah Din	Software Reusability Model	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze
131	B-STE-488	Shyamala Doraisamy	Heart Sounds Musical Transcription	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze
132	B-STE-447	Yusmadi Yah Jusoh	Project Performance Measurement System	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze
133	A-STE-195	Noraini Che Pa	Bridging the Communication Gap - Software Requirement Elicitation	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	Bronze
134	C-STE-549	Nik Aizan bin Nik Abdullah	Beledo (Bench)	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Bronze
135	C-STE-546	Mohd Faiz Bin Yahaya	Camo (Military Medical Pack)	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Bronze
136	C-STE-527	Ahmad Rizal Abdul Rahman	CMLUU - Functional Furniture for Central Market	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Bronze
137	C-STE-545	Mohd Faiz Bin Yahaya	Multiple Placement Stage for Microscope	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	Bronze

SENARAI PEMENANG KLUSTER SAINS, TEKNOLOGI DAN KEJURUTERAAN

138	C-STE-555	Rosnah Shamsudin	Multi-Ezy Cutter	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
139	B-STE-487	Shamsuddin Sulaiman	Mechanical Properties Improvement of Metal Matrix (MMC) by Vibration Mould Casting Process	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
140	A-STE-119	Anvarjon Ahmedov	The generalized localization for multiple Fourier integrals	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
141	B-STE-454	Hashim Hizam	Available Transfer Capability Determination for Power System Planning using Krylov Subspace Method	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
142	C-STE-554	Rosnah Shamsudin	A Rolled Tart Machine	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
143	A-STE-184	Napsiah Ismail	Formation of Capability-Based Virtual Cellular Manufacturing Systems (CBVCMs) in Dual-Resource Constrained (DRC) Settings over Semi Distributed Layouts (SDLs)	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
144	A-STE-221	Yus Aniza Yusof	Processing of Pitaya Fruit Powder	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
145	B-STE-446	Chin Nyuk Ling	Ultrasound Bath Aided Mixing of Cake Batter	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze

SENARAI PEMENANG KLUSTER SAINS, TEKNOLOGI DAN KEJURUTERAAN

146	C-STE-532	Borhanuddin Mohd Ali	Low Complexity Peak-to-Average Power Ratio Reduction with Digital Predistortion in Orthogonal Frequency Division Multiplexing Systems	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
147	B-STE-469	Mohd Adzir Mahdi	Enhanced secondary pumping scheme for remote L-band EDFA	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
148	B-STE-453	Hashim Hizam	Power Flow Analysis and DG Optimization Tool	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
149	A-STE-183	Napsiah Ismail	Facility Layout Problems in Cellular Manufacturing Systems	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
150	A-STE-216	Syamsiah Mashohor	Committee neural networks with fuzzy genetic algorithm	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
151	B-STE-470	Mohd Adzir Mahdi	Continuously Tunable All Fiber Comb Filter Based on a Mach-Zehnder Interferometer	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
152	B-STE-444	Borhanuddin Mohd Ali	Optimized Network Mobility in WiMAX Network to Support Real Time Application	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	Bronze
153	A-STE-116	Ahmad Makmom Abdullah	An Expert System For Air Pollution Trend In Klang Valley, Malaysia	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Environmental Studies	Bronze

SENARAI PEMENANG KLUSTER SAINS, TEKNOLOGI DAN KEJURUTERAAN

154	A-STE-205	Russly Abdul Rahman	Osmotic Dehydration Of Seedless Guava (Psidium Guajava L.) : Influence Of Thermal And Nonthermal Treatments	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Food Science and Technology	Bronze
155	A-STE-206	Russly Abdul Rahman	Ultrasound Extraction Of Valuable Compunds From Winter Melon (Benincasa Hispida) Seeds	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Food Science and Technology	Bronze
156	C-STE-524	Abdul Halim Shaari	Low cost Internet-based Instrumentation System for Hall effect Measurement	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
157	A-STE-175	Mohd Zobir Bin Hussein	Synthesis of phenoxyherbicides-intercalated layered double hydroxide nanohybrids and their controlled release property	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
158	A-STE-171	Mohd Zobir Bin Hussein	Gallate-Zn-Al-layered double hydroxide as an intercalated compound with new controlled release formulation of anticarcinogenic agent	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
159	A-STE-192	Nor Fadzillah Mohd Mokhtar	Stability Analysis of Marangoni Convection in Superposed Layers of Fluid and Saturated Porous Medium in The Presence of Internal Heat Generation	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze

SENARAI PEMENANG KLUSTER SAINS, TEKNOLOGI DAN KEJURUTERAAN

160	A-STE-138	Habshah Midi	The Performance of Robust Multivariate Control Charts to Detect Small shifts in mean	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
161	A-STE-139	Habshah Midi	The Identification of High Leverage Points in Logistic Regression Model	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
162	A-STE-203	Norihan Md. Arifin	MHD mixed convection boundary layer flow towards a stagnation point on a vertical surface with induced magnetic field	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
163	A-STE-141	Halimah binti Mohamed Kamari	Lead-borotellurite glasses: An X-ray radiation shielding	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
164	A-STE-151	Khamirul Amin Matori	Influence of ZnO on the ultrasonic velocity and elastic moduli of soda lime silicate glasses	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
165	A-STE-204	Norihan Md. Arifin	Marangoni Boundary Layer Flow in Nanofluids	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
166	A-STE-170	Mohd Zobir Bin Hussein	Synthesis and characterization of [4-(2,4-dichlorophenoxybutyrate)-zinc layered hydroxide] nanohybrid	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze

SENARAI PEMENANG KLUSTER SAINS, TEKNOLOGI DAN KEJURUTERAAN

167	A-STE-172	Mohd Zobir Bin Hussein	Effect of Polyvinyl Alcohol Addition on the physicochemical Properties of ZnO Synthesised by Ethylene Glycol-Hydrothermal Method	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
168	A-STE-173	Mohd Zobir Bin Hussein	Synthesis and characterization of hippurate-layered double hydroxide nanohybrid and investigation of its release property	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
169	A-STE-132	Gafurjan Ibragimov	A Pursuit-Evasion Differential Game with Many Pursuers and One Evader	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
170	A-STE-131	Gafurjan Ibragimov	Differential Games Described by Infinite System of Differential Equations of Second Order. The Case of Negative Coefficients	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
171	A-STE-121	Assoc. Prof. Dr. Nor Azah Yusof	Membrane molecular imprinted polymer for removal of toxic compound	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
172	A-STE-130	Gafurjan Ibragimov	An evasion differential game described by an infinite system of 2-systems of second order	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
173	A-STE-118	Anuar Kassim	Developing Chemometrics Techniques for Multivariate Optimization of Biosynthesis of Triethanolamine-based Esterquat Cationic Surfactant	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze

SENARAI PEMENANG KLUSTER SAINS, TEKNOLOGI DAN KEJURUTERAAN

174	A-STE-152	Khamirul Amin Matori	Elastic moduli prediction and correlation in soda lime silicate glasses containing ZnO	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
175	A-STE-135	Gwendoline Cheng Lian Ee	New Xanthones from stem bark of Calophyllum species	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
176	A-STE-136	Gwendoline Cheng Lian Ee	New Pyranoxanthones from Mesua species	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
177	B-STE-441	Anuar Kassim	A novel Ti(III) membrane sensor based on a new tripodal ligand for the monitoring of Ti(III) ions	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
178	A-STE-158	Mansor Bin Ahmad @ Ayob	Synthesis of silver/montmorillonite nanocomposites using γ -irradiation	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
179	A-STE-142	Halimah Mohamed Kamari	Magnetic Behaviour Of (Fe ₂ O ₃) _x (TeO ₂) _{1-x} Glass System Due To Iron Oxide	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	Bronze
180	A-STE-229	Zeenathul Nazariah Allaudin	Use of Suicide Gene Therapy for Cancer Treatment	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Veterinary Medicine	Bronze
181	B-STE-499	Zeenathul Nazariah Allaudin	Enhancement of HBV Antigen Production by Feeding Glycerol in Methanol Induction Phase in Recombinant Yeast Technology	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Veterinary Medicine	Bronze
182	C-STE-531	Barkawi Bin Sahari	Tank Mounting Bracket For Natural Gas Vehicle	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Advanced Technology	Bronze

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183	A-STE-110	Abdul Rashid bin Mohamed Shariff	The Implementation of Spatial Data Infrastructure for National Land Administration toward Spatially Enabled	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Advanced Technology	Bronze
184	B-STE-480	Ravshan Ashurov	Nonseparable wavelet transforms and application to image fusion	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Advanced Technology	Bronze
185	A-STE-128	Faridah Abas	Antioxidant And Xanthine Oxidase Inhibitory Activities Of Persicaria Hydropiper	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Bioscience	Bronze
186	C-STE-563	Zalinah Ahmad	Diabetes Gene Therapy In Vitro Study Using Nutrients Regulated Promoter	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Bioscience	Bronze
187	A-STE-189	Noor Akma Ibrahim	Credibility models with dependence induced by common effects and their applications in bank branch performance prediction	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Bronze
188	A-STE-155	Mahendran Shitan	Time Series Properties of the Class of Generalized First-Order Autoregressive Processes with Moving Average Errors	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Bronze
189	A-STE-202	Norihan Md Arifin	Thermosolutal Marangoni Forced Convection boundary layer	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Bronze
190	A-STE-188	Noor Akma Ibrahim	Estimation of Semiparametric Model for Correlated Nominal Data	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Bronze

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191	A-STE-140	Habshah Midi	The Performance of Robust Mutual Information	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Bronze
192	A-STE-156	Mahendran Shitan	Panel Cointegration Analysis And Generalized Causality Test Of Hyv Boro Production Of Six Different Districts Of Bangladesh	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Bronze
193	A-STE-186	Nik Mohd Asri B Nik Long	General analytical solution for stress intensity factor of a hypocycloid hole with many cusps in an infinite plate	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	Bronze
194	A-STE-215	Suriya Kumari Ramiah	Seroprevalence and Risk Factors for Influenza A Viruses in Pigs In Peninsular Malaysia	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Tropical Agriculture	Bronze
195	C-STE-533	Edi Syams Zainudin	Green Material for Industrial Building System	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Tropical Forestry and Forest Products	Bronze
196	C-STE-541	Luqman Chuah Abdullah	Modified biomass chemisorbent for dyes removal	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Tropical Forestry and Forest Products	Bronze
197	C-STE-535	Edi Syams Zainudin	Reduction Of Water Uptake Of Composite Through Hybridization	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Tropical Forestry and Forest Products	Bronze
198	B-STE-448	Edi Syams Zainudin	Green Composite derived from Unplasticized Polyvinyl Chloride	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Tropical Forestry and Forest Products	Bronze

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199	A-STE-181	Muhammad Nazrul Hakim Abdullah	Piroxicam Nano-Encapsulation: Preparation And In-Vitro Characterisation	Fundamental (A)	Science, Technology, and Engineering (STE)	Sports Academy	Bronze
200	A-STE-149	Marzanah A. Jabar	Software Quality Impact on Maintenance Process	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Computer Science and Information Technology	No Medal
201	C-STE-558	Sazrinee binti Zainal Abidin	Jumble Candy Packaging (Reusable Packaging for Indian Sweets)	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	No Medal
202	C-STE-526	Ahmad Rizal Abdul Rahman	Cyclitic	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	No Medal
203	C-STE-529	Baharudin Bin Suamur	Furniture For Speech	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Design and Architecture	No Medal
204	A-STE-143	Han Chun Kwong	Government Transformation @ Critical Praxis	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Economics and Management	No Medal
205	A-STE-194	Nor Kamariah Noordin	Adaptive real time wireless data transmission using superposition coding with feedback of channel state information	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Engineering	No Medal
206	A-STE-193	Nor Kamariah Noordin	The Seamless Vertical Handover between UMTS and WLAN by using Hybrid Scheme of Bi-mSCTP in Mobile IP	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Engineering	No Medal

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207	A-STE-182	Napsiah Ismail	Development of Decision Support System for Warehouse Layout Problem	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Engineering	No Medal
208	B-STE-483	Rosnah Mohd Yusuff	Aggregating Group MCDM Problems Using a Fuzzy Delphi Model for Personnel Performance Appraisal	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	No Medal
209	B-STE-445	Chin Nyuk Ling	Kitchen waste mixture formulation for optimised composting	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	No Medal
210	A-STE-117	Ahmed Fauzi Abas	Compact Fiber Bragg Grating Fabry-Perot Laser Source	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Engineering	No Medal
211	B-STE-485	Rosnah Mohd. Yusuff	Assessment system based on fuzzy scoring in EFQM business excellence model	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	No Medal
212	C-STE-556	Sa'ari bin Mustapha	Web-based Affinity Precipitation Simulation System	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Engineering	No Medal
213	C-STE-537	Faizal Mustapha	Portable Health Monitoring Equipment For Mechanical Testing Jig .	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Engineering	No Medal
214	B-STE-484	Rosnah Mohd. Yusuff	Developing a Fuzzy MCDM model based on Linguistic reasoning for Personnel Selection	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Engineering	No Medal
215	C-STE-548	Mohd Khairol Anuar Mohd Ariffin	Simulation Of Thermoset Injection Moulding For Bulk Moulding Compounds (Bmc)	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Faculty of Engineering	No Medal

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216	B-STE-475	Puziah Abdul Latif	Removal Of Hydrogen Sulfide By Physico-Biofiltration Using Biofilm And Rice Husk Media	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Environmental Studies	No Medal
217	A-STE-160	Md. Sohel Rana	The Leverage Based Near - Neighbors Estimator for Linear Regression with Heteroscedastic Errors	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	No Medal
218	B-STE-442	Anwar Fitrianto	Estimating Bias and RMSE of Indirect Effects using Rescaled Residual Bootstrap in Mediation Analysis	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	No Medal
219	B-STE-462	Md Jelas Haron	Antibacterial Activity of Fatty Hydroxamic Acids Derivatives Synthesized from Vegetable Oils	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	No Medal
220	A-STE-166	Mohd Aspollah Sukari	Larvicidal Effect of Some Selected Curcuma and Kaempferia Rhizome Extracts against Dengue Fever Mosquito Aedes aegypti Linnaeus	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	No Medal
221	A-STE-167	Mohd Aspollah Sukari	Kaempfolienol: A New Polyoxygenated Abietene Diterpene and Other Constituents from Kaempferia angustifolia Rosc.	Fundamental (A)	Science, Technology, and Engineering (STE)	Faculty of Science	No Medal
222	B-STE-463	Md. Sohel Rana	Justification of Binary Logistic Regression Model in data analysis	Applied Research (B)	Science, Technology, and Engineering (STE)	Faculty of Science	No Medal

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223	A-STE-147	Intan Safinar Ismail	Chrotacumines E and F, another 2 new chromone alkaloids from <i>Dysoxylum acutangulum</i>	Fundamental (A)	Science, Technology, and Engineering (STE)	Institute of Bioscience	No Medal
224	B-STE-459	Khozirah Shaari	Quantitative HPLC Analysis of Benzene Derivatives of <i>Melicope ptelefolia</i> Leaves	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Bioscience	No Medal
225	C-STE-525	Abdul Rashid Mohamed Shariff	Alzheimer's-Real Time Location System (A-RTLs)	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Gerontology	No Medal
226	B-STE-472	Mohd Hafis b Ahmad Shukri	Inexpensive GIS Web Application to Visualize Elderly Driver in Traffic Collision	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Gerontology	No Medal
227	B-STE-473	Muhammad Rezal Bin Dato' Kamel Ariffin	AA- β -Shield-An Efficient Cryptographic And Secure Data Transmission Implementation	Applied Research (B)	Science, Technology, and Engineering (STE)	Institute of Mathematical Research	No Medal
228	C-STE-542	Luqman Chuah Abdullah	Synthesis Of Nanometer-Sized Ceramic Particles	Product / Innovation (C)	Science, Technology, and Engineering (STE)	Institute of Tropical Forestry and Forest Products	No Medal
229	A-STE-178	Muhammad Nazrul Hakim	Anti-bacterial and anti-fungal activity of leaves from <i>Acalypha indica</i> Linn. (Euphorbiaceae)	Fundamental (A)	Science, Technology, and Engineering (STE)	Sports Academy	No Medal