

No.	Project Title	Project Leader	Institution	Research Cluster
1	Analysis and Development of Shape Extraction Algorithms for Trademark Image Search System Application	Mohammad Faizal bin Ahmad Fauzi	Multimedia University	ICT
2	Generating Cancelable Biometric Key for Secure Authentication	Tee Connie	Multimedia University	ICT
3	Hybrid Semantic Search of Web Resources: Leveraging Multi-Level Semantic Annotations	Tang Enya Kong	Multimedia University	ICT
4	Text Mining for Competitive Intelligence: An Application to Country Risk Discovery	Goh Hui Ngo	Multimedia University	ICT
5	Design of a Binary Decision Diagram (BDD) device for a 16-bit adder using optical approach	Vishnuvajula Charan Prasad (V C Prasad)	Multimedia University	ICT
6	Semantic Classification of Human Brain Images for Medical Diagnostics	Subhas Hati	Multimedia University	ICT
7	Breast cancer detection in MR images by intelligent brightness and contrast techniques	Sim Kok Swee	Multimedia University	ICT
8	Design and Development of Human Identification System Using Biomedical Signals	Khazaimatol Shima Subari	Multimedia University	ICT
9	Design and Development of an Ultra Fast Fragile Watermarking Scheme for Secure Biomedical Media Authentication	Dennis Wong Mou Ling	Swinburne University of Technology, Sarawak Campus	ICT
10	Novel Medical Knowledge Discovery System: Analysis, Design and Implementation of Privacy Preserving and Rules Interestingness	Patrick Then Hang Hui	Swinburne University of Technology, Sarawak Campus	ICT
11	Dynamics of some class of quadratic stochastic operators and its applications	Farrukh Mukhamedov	Universiti Islam Antarabangsa Malaysia	ICT

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12	A New Hybrid Pseudo Intelligent Magnetic Resonance Imaging Reconstruction (MRI) Technique	Momoh-Jimoh E. Salami	Universiti Islam Antarabangsa Malaysia	ICT
13	Robust video movement recognition system for non-rigid objects.	Wan Mimi Diyana Bt Wan Zaki	Universiti Kebangsaan Malaysia	ICT
14	Modeling Rainfall Induced Landslide as Effects of Development Soil Porosity and Hydraulic Conductivity: Case Study of Slope Failure on Mountain ranges of Ulu Kelang and Selangor	Dr. Muhammad Mukhlisin	Universiti Kebangsaan Malaysia	ICT
15	Development of a Non-linear Model Based on Artificial Neural Network for River Streaming Flow Forecasting at Klang Gates Dam	Ahmed Hussien Kamel El-Shafie	Universiti Kebangsaan Malaysia	ICT
16	New Computational Technique Data Acquisition and Data Analysis for Environmental Monitoring System.	Mohd Amir bin Abas	Universiti Kuala Lumpur	ICT
17	Cladding Pumped Erbium-Ytterbium Fiber Laser	Sulaiman Wadi Harun	Universiti Malaya	ICT
18	High Speed Interest Point Feature Extraction Technique for Vision Simultaneous Localization and Mapping (vSLAM)	Mohd.Yamani Idna Idris	Universiti Malaya	ICT
19	Seamless Multimedia Transmission over Heterogeneous Networks	Chow Chee Onn	Universiti Malaya	ICT
20	Aesthetic Visualization for Learning Science in 3D Interactive and Immersive Environment	Ng Liang Shing	Universiti Malaya	ICT
21	Incorporating spatial dependence, spatial heterogeneity and time dependence in hedonic property price model	Taher bin Buyong	Universiti Putra Malaysia	ICT
22	Plan Base Approach to Program Understanding and Debugging System for Object-oriented Language	Nor Fazlida Mohd Sani	Universiti Putra Malaysia	ICT

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23	A Computer Assisted Diagnosis and Intervention of Coronary Arterial Stenoses	Rahmita Wirza	Universiti Putra Malaysia	ICT
24	A Dynamic Environment Safety Precaution System using Formal Specification	Rodziah binti Atan	Universiti Putra Malaysia	ICT
25	Development of Neural Networks Modeling Technique for Multi Input-Multi Output (MIMO) Nonlinear System :Case Study: Distillation Column	Zainal Bin Ahmad	Universiti Sains Malaysia	ICT
26	Secure Mobile Ipv6 in Wireless Environment Based on Distributed Certificate Authority	Selvakumar Manickam	Universiti Sains Malaysia	ICT
27	High Definition Multimedia Streaming over Mobile Devices using IPv6	AZLAN OSMAN	Universiti Sains Malaysia	ICT
28	Developing Methods for Using Model-Driven Architecture to Develop Quality Software Products at Low Cost Entirely by Re-Use of Existing Components	Colomb, Robert Michael	Universiti Teknologi Malaysia	ICT
29	Development of Automated Starfruit Maturity Index Classifying Process with Defect Detection Using Vision System	Syed Abdul Rahman bin Syed Abu Bakar	Universiti Teknologi Malaysia	ICT
30	Development of Construction Noise Prediction Software Based Upon the Stochastic Modelling Approaches	Zaiton Binti Haron	Universiti Teknologi Malaysia	ICT
31	Development of an Automated Composition Tool to Support Semantic Web Services	Suhaimi Ibrahim	Universiti Teknologi Malaysia	ICT
32	Multimode Interference Based Variable Optical Attenuator Using Sol-Gel Processing Technique	Mohd Haniff Bin Ibrahim	Universiti Teknologi Malaysia	ICT
33	Point to Point Microwave Link for Vehicle Application	Sharul Kamal bin Abdul Rahim	Universiti Teknologi Malaysia	ICT

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34	The Development of Length Measurement Algorithm to Measure Length of Fish from Digital Images	Ismail bin Mat Amin	Universiti Teknologi Malaysia	ICT
35	A particle swarm optimization approach for VLSI routing	Zulkifli Bin Md Yusof	Universiti Teknologi Malaysia	ICT
36	Effects of Cartilage Rings on Three Dimensional (3D) Simulated Airflow in the Trachea and Main Bronchi	Kahar bin Osman	Universiti Teknologi Malaysia	ICT
37	Development of Intelligent Arabic Phonemes Pronunciation Evaluation System	Rubita Sudirman	Universiti Teknologi Malaysia	ICT
38	Development Of Handwritten Recognition By Means of Chain Code	Haswadi Bin Hasan	Universiti Teknologi Malaysia	ICT
39	Wavelength and Polarization Insensitive Couplers for Optical Cross-Connect	ABU SAHMAH MOHD SUPA'AT	Universiti Teknologi Malaysia	ICT
40	Development of an Extended Warranty Tool in Automobile Industry.	Hairudin Abdul Majid	Universiti Teknologi Malaysia	ICT
41	Development of a low cost six-port reflectometer for determination of rice quality using microwave technology.	Nor Hisham bin Haji Khamis	Universiti Teknologi Malaysia	ICT
42	IMS- LOCATION ASSISTED SESSION TRANSFER FOR REAL-TIME APPLICATION IN IPv6	Norsheila binti Faisal	Universiti Teknologi Malaysia	ICT
43	Evacuation Routing Optimizer (EROP)	Azlinah Mohamed	Universiti Teknologi MARA	ICT
44	Developing a Numeracy Gaming Software in Improving Student's Mathematics Learning	Parmjit Singh	Universiti Teknologi MARA	ICT

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45	Spoken Document Retrieval (SDR) System for Formal Spoken Malay Language	Zainab Abu Bakar	Universiti Teknologi MARA	ICT
46	Expert System for Selection and Analysis of Grippers for Industrial Robots Application in Automotive Industry	Bashir Mohamad bin Bali Mohamad	Universiti Tenaga Nasional	ICT
47	ALPHA+1: A Resource-Efficient Path Protection Scheme for Uninterrupted Network Communications	Liew Soung Yue	Universiti Tunku Abdul Rahman	ICT
48	Mobile Agent Intrusion Detection System for Mobile Ad Hoc Networks: A Non-overlapping Zone Approach	Hatim	Universiti Utara Malaysia	ICT
49	Photo-cytotoxic compounds from Malaysian Plants for Photodynamic Therapy (PDT): Synthesis, Derivatisation and Biological Characterisations	Lee Hong Boon	Cancer Research Initiatives Foundation	BIOTECHNOLOGY
50	Selection of high yielding genotypes of <i>Labisia pumila</i> (Kacip Fatimah) for the establishment of superior planting stock sourcebush	Farah Fazwa binti Md Ariff	Forest Research Institute of Malaysia	BIOTECHNOLOGY
51	Proteome Profiling of <i>Aquilaria malaccensis</i> Upon Cold Stress Conditions	NORALIZA ALIAS	Forest Research Institute of Malaysia	BIOTECHNOLOGY
52	Heavy metal and antibiotic resistance profiling of Actinobacteria from tin tailings: Towards identification of new therapeutic candidates for multidrug-resistant pathogenic bacteria	Getha d/o R. Krishnasamy	Forest Research Institute of Malaysia	BIOTECHNOLOGY
53	Synthesis of ursolic acid derivatives; antiinflammatory evaluation and structure activity relationship analysis of ursolic acid and its derivatives.	Norhayati binti Abdullah	Forest Research Institute of Malaysia	BIOTECHNOLOGY
54	Rapid identification of new molecular targets for treatment of refractory breast cancers	Leong Chee Onn	International Medical University	BIOTECHNOLOGY
55	Targeted delivery of anti-cancer drugs to breast cancer cells using bio-functional carbonate apatite nano-particles	Md. Ezharul Hoque Chowdhury	International Medical University	BIOTECHNOLOGY

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56	Anti-hyperglycemic potential of Nephelium lappaceum and Syzygium aquem purified fractions; evidence from cell-based assays and experimental animal model.	Uma Devi M. Palanisamy	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
57	Isolation of Novel Molecules For Nerve Regeneration	ISHWAR S PARHAR	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
58	Mining and identification of authentic novel genes involved in immunity of H5N1 -infected chickens using mRNA differential display RT-PCR technology	Sharifah bt. Syed Hassan	Monash University Sunway Campus Malaysia	BIOTECHNOLOGY
59	Anti-Alzheimers Potential of Plant Extract and Fractions(Syzygium cumini) :Evidence from Cell Based Assay	Theanmalar Masilamani	SIRIM Berhad	BIOTECHNOLOGY
60	Functional Characterisation Of Carrageenan Biosynthetic Genes	Roohaida binti Othman	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
61	Studies on Taxonomy and Phylogeny of the Genus Theronia (Hym: Ichneumonidae: Pimplinae) in Malaysia	Idris bin Abd. Ghani	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
62	The Role Of Malic Enzyme Isoforms In The Regulation Of Lipogenesis Of Cunninghamella bainieri sp2A1.	Aidil bin Abdul Hamid	Universiti Kebangsaan Malaysia	BIOTECHNOLOGY
63	Effects Of Biochemical Enhancers For Osteoblast Growth In Scaffold	Wan Abu Bakar Bin Wan Abas	Universiti Malaya	BIOTECHNOLOGY
64	Evaluation of Mucuna pruriens seed proteins as anti-snake venoms and cardioprotective agents	Tan Nget Hong	Universiti Malaya	BIOTECHNOLOGY
65	Quorum-sensing antagonists in dietary plants of Malaysia.	Zarina Binti Amin	Universiti Malaysia Sabah	BIOTECHNOLOGY
66	Isolation and Characterization of Lead Pharmaceutical Metabolites from Soft Coral, Order Alcyonacea	Charles S. Vairappan	Universiti Malaysia Sabah	BIOTECHNOLOGY

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67	Development of species specific microsatellite markers for genetic characterization of <i>Pseudonitzschia</i> species (Bacillariophyceae)	Leaw Chui Pin	Universiti Malaysia Sarawak	BIOTECHNOLOGY
68	Regulation of G protein signaling by the 70kDa heat shock protein in lipid raft	William Lim Kiong Seng	Universiti Malaysia Sarawak	BIOTECHNOLOGY
69	Overexpression of Omega-3-Desaturase and β -Ketoacyl-ACP Synthase I Genes in Selected Marine Microalgae To Enhance PUFAs Production	Cha Thye San	Universiti Malaysia Terengganu	BIOTECHNOLOGY
70	Development of Pilot Scale Folic Acid Production by Recombinant Lactic Acid Bacteria using a Bioreactor	ROSFARIZAN BINTI MOHAMAD	Universiti Putra Malaysia	BIOTECHNOLOGY
71	Generation and characterisation of human mesenchymal stem cells from umbilical cord blood: a possible tool for immunotherapy	Rajesh Ramasamy	Universiti Putra Malaysia	BIOTECHNOLOGY
72	Molecular engineering of an organic solvent tolerant lipase from <i>Staphylococcus epidermidis</i> AT2	Raja Noor Zaliha binti Raja Abd Rahman	Universiti Putra Malaysia	BIOTECHNOLOGY
73	Bioethanol Production from Glycerol-containing Waste	Phang Lai Yee	Universiti Putra Malaysia	BIOTECHNOLOGY
74	Innovative diagnostic markers: Polymorphism of beta-thalassaemia in the indigenous people of Sabah and its relation to population genetics	Elizabeth George	Universiti Putra Malaysia	BIOTECHNOLOGY
75	Direct bioconversion of lignocelluloses to biobutanol using mixed cultures of thermophilic anaerobic bacteria	Umi Kalsom binti Md Shah	Universiti Putra Malaysia	BIOTECHNOLOGY
76	Chemical profiling of extracts and SAR studies of flavonoids from <i>Piper porphyrophyllum</i> towards anti-inflammatory and antioxidative activities	Farediah binti Ahmad	Universiti Teknologi Malaysia	BIOTECHNOLOGY
77	Bioactive anti-ageing phytochemicals from <i>Labisia pumila</i> extract.	Mohamad Roji bin Sarmidi	Universiti Teknologi Malaysia	BIOTECHNOLOGY

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78	Increasing thermostability of a patented amylolytic enzyme using protein engineering approach	Goh Kian Mau	Universiti Teknologi Malaysia	BIOTECHNOLOGY
79	Energy Recovery From Pome Treatment Using Micro-Algae Grown In Hybrid Bioreactor	Mohd. Fadhil bin Md Din	Universiti Teknologi Malaysia	BIOTECHNOLOGY
80	Expression Analysis Of Thiopurine Methyltransferase (Tpmt) Activity In Leukemic Patients	Rosmadi Mohd Yusoff	Universiti Teknologi MARA	BIOTECHNOLOGY
81	Synthesis and Cytotoxic Activities of New Xanthone Analogues	Lim Chan Kiang	Universiti Tunku Abdul Rahman	BIOTECHNOLOGY
82	Synthesis, characterization and cytotoxic activity of new 1,2,4-triazole Schiff and Mannich bases incorporating a halogenated indole moiety.	Sim Kooi Mow	Universiti Tunku Abdul Rahman	BIOTECHNOLOGY
83	Development of Food Microstructures to Reduce Sodium in Foods	Goh Suk Meng	Curtin (Malaysia) Sdn. Bhd.	INDUSTRY
84	Enhancement of wood properties of selected plantation species by chemical modification for exterior application	Hamdan bin Husain	Forest Research Institute of Malaysia	INDUSTRY
85	Cellulose Modification for Potential Hygiene Paper Application	Latifah Jasmani	Forest Research Institute of Malaysia	INDUSTRY
86	Development of Viscose Rayon Fibre From Kenaf through Biopulping and Biobleaching for Batik Industry in Malaysia	Rushdan bin Ibrahim	Forest Research Institute of Malaysia	INDUSTRY
87	Tuba plant (Derris elliptica) extract as green wood preservatives for indoor application	Tumirah bt. Khadiran	Forest Research Institute of Malaysia	INDUSTRY
88	Development of Advance Portable Gamma-ray Computed Tomography Instrumentation for Corrosion Under Insulation (CUI) in Industrial Pipelines.	Rasif Bin Mohd Zain	Malaysian Nuclear Agency	INDUSTRY

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89	Development of bacterial mutants via radiation mutagenesis for enhanced bioconversion of oil palm empty fruit bunches to sugars	Jong Bor Chyan	Malaysian Nuclear Agency	INDUSTRY
90	Analysis, design and development of an intelligent cold storage for maintaining food freshness using a novel technique in system identification	Tan Ai Hui	Multimedia University	INDUSTRY
91	Development of New Traveling Wave and Impedance Based Fault Location Methods for Transmission Systems	Krishanthevar Ramar	Multimedia University	INDUSTRY
92	Development of Thermally Assisted Cellular and Near Net Shaped Alumina Ceramics by Aqueous Injection Moulding Process.	Saidin bin Karim	SIRIM Berhad	INDUSTRY
93	Development of Sintered Tungsten-Copper Alloy from Sub-micron Powder Particle for Potential Electrical and Electronic Applications	Mohd Asri Bin Selamat	SIRIM Berhad	INDUSTRY
94	Development of liquid epoxidised natural rubber acrylate based composite polymer electrolytes for use in the electrochromic device application	Razali Idris	SIRIM Berhad	INDUSTRY
95	Development of CoCrMo Metallic Prostheses Through Innovative Metal Injection Moulding (MIM) Process for Orthopedic Applications	Mohd Afian bin Omar	SIRIM Berhad	INDUSTRY
96	Design and Development of Below-knee Prosthesis sockets Using CAD/CAE Optical Digitizing and Rapid Prototyping Technologies	Victor Devadass	SIRIM Berhad	INDUSTRY
97	The Effect of Nano-modification on the Interphase Characteristic of the Multiscales Biocomposite with the Added of Nanoclay	Hazleen Anuar	Universiti Islam Antarabangsa Malaysia	INDUSTRY
98	Hardware Prototyping of Multi-Point Vascular Monitor System using Photoplethysmography	Md. Mamun bin Ibne Reaz	Universiti Kebangsaan Malaysia	INDUSTRY
99	Bismuth and Yttrium Based Cuprates Superconductors with Magnetic Quantum/Nano Structured Pinning Centres For Electrical Conductors	Roslan bin Abd. Shukor	Universiti Kebangsaan Malaysia	INDUSTRY

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100	Effect of powder additive in Electrical Discharge Machining (EDM)	Mohd Hamdi bin Abd Shukor	Universiti Malaya	INDUSTRY
101	Preparation of high-permeability ferrite layers by electrophoretic deposition	Hendrik Simon Cornelis Metselaar	Universiti Malaya	INDUSTRY
102	Synthesis of nano silver particles for the enhancement of "SilverFil™" a free mercury dental amalgam	Noor Hayaty Abu Kasim	Universiti Malaya	INDUSTRY
103	Development of a Mechanical Interlock Dental Prosthesis with Hydroxyapatite/Silver/Titania Biocomposite Thin Film Coating.	Eshamsul Sulaiman	Universiti Malaya	INDUSTRY
104	Microencapsulation process for the development of crack resistant dental composites	Gan Seng Neon	Universiti Malaya	INDUSTRY
105	Linux-based DNC Controller for CNC Milling Machine	WAN AZHAR BIN WAN YUSOFF	Universiti Malaysia Pahang	INDUSTRY
106	Development of Portable Submerged Membrane Bioreactor (MBR) for Sustainable Batik Effluent Treatment	ZULARISAM B AB WAHID	Universiti Malaysia Pahang	INDUSTRY
107	Development of Novel Piezoelectric Ultrasonic Motor for CNC Drive System	WAN AZHAR BIN WAN YUSOFF	Universiti Malaysia Pahang	INDUSTRY
108	Development of Sustainable Alternative Fuel From Renewable Source of Water Using Green Technology	ZULARISAM B AB WAHID	Universiti Malaysia Pahang	INDUSTRY
109	Development of the New Nozzle for Abrasive-Waterjet Machining Application	Ir. Dr. Md. Yusof Ismail	Universiti Malaysia Pahang	INDUSTRY
110	Separation of racemic Calcium Channel Blockers (CCB) by enantioselective extraction	HAIRUL NAZIRAH BINTI ABDUL HALIM	Universiti Malaysia Perlis	INDUSTRY

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111	Development of Molecularly Imprinted Polymers as a Solid-phase Extraction Sorbent Material for Polycyclic Aromatic Hydrocarbons (PAHs) Clean-up	Marinah Mohd Ariffin	Universiti Malaysia Terengganu	INDUSTRY
112	Immunological roles of B-1,3 Glucan binding protein from the hemolymph of cultivable oyster <i>Crasostrea irredalei</i>	Najiah binti Musa @ Zakaria	Universiti Malaysia Terengganu	INDUSTRY
113	Development of Loop Reactor for The Production of Palm Based TMP ester (Biolubricant)	THOMAS CHOONG SHEAN YAW	Universiti Putra Malaysia	INDUSTRY
114	Fabrication And Characterization Of Biopolymer Aerogels In Room-temperature Ionic Liquids Medium	Ahmad Adlie Bin Shamsuri	Universiti Putra Malaysia	INDUSTRY
115	Hot Gas Cleaning Using Liquid Metal For Gasification Process	Mohd Halim Shah B. Ismail	Universiti Putra Malaysia	INDUSTRY
116	Environmental Forensics of Surface Water and Shallow Groundwater Contamination for Landfill Disposal Sites (Taiping & Sg. Kembong-Semenyih) using Integrated Isotopes Hydrology ($\delta^{18}O$, δ^2H , $\delta^{13}C$), Anion Hydrochemistry (HCO_3^- , SO_4^{2-} , Cl^- , NO_3^-) and Geophysical methods	Syafalni	Universiti Sains Malaysia	INDUSTRY
117	Lost Foam casting of Aluminium Alloys for Automotive Applications	Ali bin Ourdjini	Universiti Teknologi Malaysia	INDUSTRY
118	Superhydrophobic silica thin films by sol-gel synthesis	Dr Karim bin Deraman	Universiti Teknologi Malaysia	INDUSTRY
119	Design and Development of a Controller for Electro-mechanical Dual Acting Pulley (EMDAP) CVT in Automotive Application	Kamarul Baharin bin Tawi	Universiti Teknologi Malaysia	INDUSTRY
120	Development of Binary Mg-Ca alloys as biodegradable bone scaffold.	Mohd. Hasbullah bin Idris	Universiti Teknologi Malaysia	INDUSTRY

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121	Toughness and Chemical Resistance Enhancement of Polyamide 6 Nanocomposites Toughened by Epoxidized Natural Rubber	Zurina binti Mohamad	Universiti Teknologi Malaysia	INDUSTRY
122	Treatment of Refinery Plant-Based Sulfidic Spent Caustic by Combination of Fenton Oxidation and Wet Air Oxidation (WAO)	Mohd. Ariffin bin Abu Hassan	Universiti Teknologi Malaysia	INDUSTRY
123	Synthesis and testing of advanced semiconductor thermoelectric material for microchip cooling	ABD KHAMIM ISMAIL	Universiti Teknologi Malaysia	INDUSTRY
124	Design and Development of an Electro-Mechanical Friction Clutch System for EMDAP-CVT	Mohamed Hussein	Universiti Teknologi Malaysia	INDUSTRY
125	Design and Fabrication of Specialized High Flexion (HF) Knee Implants Fortified by Nanocrystalline Diamond Coatings	Izman bin Sudin	Universiti Teknologi Malaysia	INDUSTRY
126	Development of Polyetheretherketone-Hydroxyapatite Bioactive Composite for Load Bearing Bone Analogue.	Mohamed Ruslan b. Abdullah	Universiti Teknologi Malaysia	INDUSTRY
127	Development of a High-Efficient Maximum Power Point Tracking Converter for Building Integrated Photovoltaic	TAN CHEE WEI	Universiti Teknologi Malaysia	INDUSTRY
128	A novel design of heterogeneous catalyst for liquid-gas reaction system using hollow polymer nanospheres	Hadi Nur	Universiti Teknologi Malaysia	INDUSTRY
129	Development of an electro-mechanical parking brake for passenger cars	ABD RAHIM ABU BAKAR	Universiti Teknologi Malaysia	INDUSTRY
130	Process optimization of stamping die using Response Surface Methodology Method	SUKARNUR CHE ABDULLAH	Universiti Teknologi MARA	INDUSTRY
131	Post Occupancy Evaluations Of Residential Buildings Rebuilt At Disaster-Affected Areas	Syed Abdul Haris bin Syed Mustapa	Universiti Teknologi MARA	INDUSTRY

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132	System Identification of a DC Motor using Neural Network-based NARMAX Model Trained with Particle Swarm Optimization Algorithm	Ahmad Ihsan Mohd Yassin	Universiti Teknologi MARA	INDUSTRY
133	A Novel Side-Coupled Ring Resonator Topology for Microwave Filter Applications	MOHD KHAIRUL BIN MOHD SALLEH	Universiti Teknologi MARA	INDUSTRY
134	Novel Nano Particles Filled Epoxy Based Adhesive For In-Situ Timber Bonding	Zakiah Ahmad	Universiti Teknologi MARA	INDUSTRY
135	Development of new environmentally benign tunable hybrid solvents for efficient and reversible capture of CO ₂	Thanapalan Murugesan	Universiti Teknologi PETRONAS	INDUSTRY
136	Characterization of Meat Slaughtered In Islamic Method (HALAL-MEAT)	Zainal Arif Bin Burhanudin	Universiti Teknologi PETRONAS	INDUSTRY
137	Development of Life – Cycle Risk Assessment (LCRA) Tool for Process Plant	Azmi bin Mohd Shariff	Universiti Teknologi PETRONAS	INDUSTRY
138	Development of A New Solid Hydrogen Fuel Material for Automotive Industries	Halina Misran	Universiti Tenaga Nasional	INDUSTRY
139	Development of Advanced Ceramic For Electrical Discharge Machining (EDM)	Meenaloshini Satgunam	Universiti Tenaga Nasional	INDUSTRY
140	Development of Nanostructured Steatite-Based Ceramic Composite For Industrial Application	Ramesh Singh	Universiti Tenaga Nasional	INDUSTRY
141	PWM Based Dual-Head Industrial Dosing System with Evolutionary Algorithm Optimization	CHONG KOK HEN	Universiti Tenaga Nasional	INDUSTRY
142	Under Frequency Load-Shedding (UFLS): A New Adaptive Approach	Ya'akob Bin Raja Omar	Universiti Tenaga Nasional	INDUSTRY

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143	Research and development of highly efficient and durable luminescent solar concentrators for building integrated photovoltaic systems	Lim Yun Seng	Universiti Tunku Abdul Rahman	INDUSTRY
144	Development of a controller to control the consistency of weld strength	Aravinthan Arumugam	University of Nottingham Malaysia Campus	INDUSTRY
145	Insulin-containing palm oil nanoparticles: investigating the correlation between gastrointestinal uptake and location of insulin within nanoparticle	Nashiru Billa	University of Nottingham Malaysia Campus	INDUSTRY
146	Nonlinear Controller Synthesis for Highly Nonlinear Unstable Systems	Amir Nassirharand	University of Nottingham Malaysia Campus	INDUSTRY
147	Remediation of soils contaminated with polycyclic aromatic hydrocarbons (PAHs) via Fenton oxidation	Gan Suyin	University of Nottingham Malaysia Campus	INDUSTRY
148	Nanocomposite Mesoporous Hybrid Electrode materials for High Power Lithium-Ion batteries	S.R.S. Prabakaran	University of Nottingham Malaysia Campus	INDUSTRY
149	Research and Development of Solid Composite Propellant based on Phase Stabilized Ammonium Nitrate	Amir Sharifudin B. Zainuddin	Astronautic Technology (M) Sdn. Bhd.	SEA TO SPACE
150	Development of Customized GIS Prototype Using Advance Geospatial Technologies for Forest Resources Management	Tan Sek Aun	Forest Research Institute of Malaysia	SEA TO SPACE
151	Studies on the male reproductive biology and semen cryopreservation for conservation and breeding of green sea turtle (<i>Chelonia mydas</i>)	Syed Abdullah Syed Abdul Kadir	Institut Penyelidikan Perikanan	SEA TO SPACE
152	Chromosomal and Genetics Study of Sex Determination of Green Sea Turtle	Wahidah binti Mohd Arshaad	Institut Penyelidikan Perikanan	SEA TO SPACE
153	Modelling of solar eclipses impacts on radio wave propagation through polar and equatorial ionosphere	Mohd Awad Hussien Almomani	Universiti Kebangsaan Malaysia	SEA TO SPACE

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154	Spatial and temporal variability of Pahang River plume and its impact on coastal area using satellite imageries	Tukimat Lihan	Universiti Kebangsaan Malaysia	SEA TO SPACE
155	Development of Multiband Antenna for Radio Telescope in Radio Astronomy Application	BAHARUDIN BIN YATIM	Universiti Kebangsaan Malaysia	SEA TO SPACE
156	Expressed Sequence Tags Analysis of a Toxic and a Non-Toxic Marine Dinoflagellate Species	Gires Usup	Universiti Kebangsaan Malaysia	SEA TO SPACE
157	Ecological connectivity of wildlife protected areas in peninsular Malaysia for conservation prioritization.	Saiful Arif Abdullah	Universiti Kebangsaan Malaysia	SEA TO SPACE
158	Conservation Ecology of Irrawaddy Dolphins (<i>Orcaella brevirostris</i>) in Nearshore and Estuarine Waters of Kuching Bay.	Andrew Alek Tuen	Universiti Malaysia Sarawak	SEA TO SPACE
159	Distribution and cycling of nutrient in Setiu Wetland, Terengganu.	Suhaimi bin Suratman	Universiti Malaysia Terengganu	SEA TO SPACE
160	Development Of Seasonal Primary Productions Model From Satellite Imagery For South China Sea	Razak Zakariya	Universiti Malaysia Terengganu	SEA TO SPACE
161	Fish parasites as indicator of pollution in natural and farming ecosystems.	Faizah Shaharom	Universiti Malaysia Terengganu	SEA TO SPACE
162	Enhancement of high quality lipid production from selected indigenous tropical microalgae	Fatimah binti Md Yusoff	Universiti Putra Malaysia	SEA TO SPACE
163	Mass production of microalgae using clear acrylic and polyvinyl chloride automated tubular photobioreactors with fibre optic illumination system	Mohamed Shariff bin Mohamed Din	Universiti Putra Malaysia	SEA TO SPACE
164	Development Of Precise Mobile Dgps Navigation System	Halim bin Setan	Universiti Teknologi Malaysia	SEA TO SPACE

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165	Continuous Deformation Detection Using GPS CORS Network for Iskandar Malaysia	Rusli b Othman	Universiti Teknologi Malaysia	SEA TO SPACE
166	Development Of A 100n Monopropellant Hydrogen Peroxide Rocket Engine Facility And Catalyst Design Studies	Subramaniam Krishnan	Universiti Teknologi Malaysia	SEA TO SPACE
167	Three Dimensional Subsurface Utility Mapping With Ground Penetrating Radar	Mazlan bin Hashim	Universiti Teknologi Malaysia	SEA TO SPACE
168	Assets and Facilities Management (AFM) Based on the Integration of Terrestrial Laser Scanning (TLS) and Geographical Information System (GIS) Technologies	Zulkepli Majid	Universiti Teknologi Malaysia	SEA TO SPACE
169	Modeling Circulation and Fate and Transport in an Estuarine System for Large Scale Shellfish Industry	Noor Baharim bin Hashim	Universiti Teknologi Malaysia	SEA TO SPACE
170	Development of Unmanned Surface Vehicle (USV)	Omar bin Yaakob	Universiti Teknologi Malaysia	SEA TO SPACE
171	Developments Of Impact Simulation Models With Adaptation To Climate Change On Kerian, Muda And Sungai Besar Irrigation Schemes	Sobri bin Harun	Universiti Teknologi Malaysia	SEA TO SPACE
172	Very Small Aperture Terminal (VSAT) Design for Tropical Region	Tharek bin Abd Rahman	Universiti Teknologi Malaysia	SEA TO SPACE
173	Integrated Multi-Criteria Fish Index for Mesohabitat Modeling in High Gradient Streams	Shanker Kumar Sinnakaudan	Universiti Teknologi MARA	SEA TO SPACE
174	Production Of Dioxygenases By Bacteria-Algae Co-Culture In Polycyclic Aromatic Hydrocarbons (Pahs) Contaminated Environment	Mohd Nizam Yusof	Universiti Teknologi MARA	SEA TO SPACE
175	Development of Polymer-based Microfluidic thruster for space applications	CHIANG CHOON LAI	University of Nottingham Malaysia Campus	SEA TO SPACE

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176	Knowledge And Use Of Medicinal And Aromatic Plants By Orang Asli Semai In Peninsular Malaysia	NORSHAKILA A/P YUSOF	Forest Research Institute of Malaysia	S&T CORE
177	Antioxidant activity of Terminalia catappa from different localities around Sabah	Noreen Majalap	Jabatan Perhutanan Sabah	S&T CORE
178	Inspection of thermal systems with infrared (IR) technology	Chan Wai Ti	Multimedia University	S&T CORE
179	Modelling the dynamic of interaction between processing centres in central auditory system: A comparative fMRI study on healthy and unilateral deaf subjects.	Ahmad Nazlim bin Yusoff	Universiti Kebangsaan Malaysia	S&T CORE
180	Determination of sugar and glycemic index in selected sugary food and beverages: Influence of these food groups on body composition and dental caries among adults in Klang Valley.	Nik Shanita Safii	Universiti Kebangsaan Malaysia	S&T CORE
181	Characterizations of Rhizophoraceae species for taxonomic differentiation between terrestrial and tidal habitat specialization.	Noraini binti Talip	Universiti Kebangsaan Malaysia	S&T CORE
182	Control of myopia progression in high myopic school children using orthokeratology lenses	Bariah binti Mohd Ali	Universiti Kebangsaan Malaysia	S&T CORE
183	The effects of magnetohydrodynamic (MHD) on boundary layer flow and heat transfer over a stretching sheet	ANUAR BIN MOHD ISHAK	Universiti Kebangsaan Malaysia	S&T CORE
184	A Lamb Wave Statistical Analysis Statistical for Aircraft Structural Health Monitoring (SHM) System by Using Piezoelectric Sensor on Composite Structure of Primary Control Surface	Khairul Dahri Mohd Aris	Universiti Kuala Lumpur	S&T CORE
185	Inspection of Non-geometrical Brace Frame Systems	Nor Hafizah Ramli @ Sulong	Universiti Malaya	S&T CORE
186	Developing a Cost-effective Video Technology for Automating Post-stroke Rehabilitation: A Research Study	Julia Patrick Engkasan	Universiti Malaya	S&T CORE

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187	Systematic Chemotaxonomy Profiling of Two Malaysian Meliaceae Species : Walsura chrysogine and Walsura pinnata Hassk, and cytotoxic activities of the isolated compound/s	Khalit Mohamad	Universiti Malaya	S&T CORE
188	Computer-based Malay Vowel Therapy System for Speech Impairment	Ting Hua Nong	Universiti Malaya	S&T CORE
189	Electrochemical and Dielectric Studies of Natural Pigment-Polymer Resin Mixtures	zul hazrin bin zainal abidin	Universiti Malaya	S&T CORE
190	Development of Low Friction Lightweight Acetabular Cup Specialised for Malaysian Population.	Mohd Yusof bin Baharuddin	Universiti Malaysia Perlis	S&T CORE
191	DNA Label-free Detection using Carbon Nanotube FET	Mohammad Nuzaihan Bin Md Nor	Universiti Malaysia Perlis	S&T CORE
192	Empirical Analysis of Near-Shore Coastal Erosion Due to Major Structural Activities in Kuala Terengganu Waters	Prof. Madya Dr. Aidy @ Mohamed Shawal Bin M Muslim	Universiti Malaysia Terengganu	S&T CORE
193	Development of a Prototype pH Electrode Using Chitosan Membrane	ILLYAS BIN MD ISA	Universiti Pendidikan Sultan Idris	S&T CORE
194	Comparative study of portable bridge system using Aluminium Alloy and Composite Material	Norazman bin Mohamad Nor	Universiti Pertahanan Nasional Malaysia	S&T CORE
195	Flavonoid synergy: implications for anti-inflammatory drug cocktails	Daud Ahmad bin Israf Ali	Universiti Putra Malaysia	S&T CORE
196	Toxicological assessment of anticoagulant rodenticide and its effects on reproductive performance of barn owl for sustainable biological control of rats in ricefield.	Jalila binti Abu	Universiti Putra Malaysia	S&T CORE
197	Development of Numerical Model of Non Aqueous Phase Liquid (NAPL) in Unsaturated Soil under Tropical Condition	Wan Nor Azmin bin Sulaiman	Universiti Putra Malaysia	S&T CORE

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198	Development of SHS for Boride and Carbide Intermetallic Compound Formation	Julie Juliewatty Mohamed	Universiti Sains Malaysia	S&T CORE
199	Robust Controller Using Sliding Mode Control Scheme for Industrial Power Drives	Marizan bin Sulaiman	Universiti Teknikal Malaysia	S&T CORE
200	Physical and subjective image quality study of computed radiography and full field digital mammography systems (resubmission of application 06-01-SF0646)	Wan Muhamad Saridan bin Wan Hassan	Universiti Teknologi Malaysia	S&T CORE
201	Development of high power erbium:YAG laser	Norah binti Bidin	Universiti Teknologi Malaysia	S&T CORE
202	A Non-destructive Technique to Obtain the Tribological Aspects of Journal Bearings using Ultrasonic Reflection Measurement.	Salmiah Kasolang	Universiti Teknologi MARA	S&T CORE
203	Novel Techniques in Hydro-Meteorological Flood Monitoring using Weather Radar and Geostationary Meteorological Satellite	Dr. Wardah Tahir	Universiti Teknologi MARA	S&T CORE
204	Bacteriophages As Biocontrol For Papaya Dieback Disease	Noor Hana Hussain	Universiti Teknologi MARA	S&T CORE
205	A Novel High-Efficiency, High-Power-Factor, Three-Phase AC/DC Full-Bridge Current Injection Series Resonant Converter (FBCISRC)	Mohammad Nawawi Seroji	Universiti Teknologi MARA	S&T CORE
206	A new technique using parallel computing platform to detect and describe dental x-ray images for periapical disease diagnosis purposes.	SITI ARPAH BT AHMAD	Universiti Teknologi MARA	S&T CORE
207	Abnormal Gait Analysis and Classification Based On Machine Learning Approach	Nooritawati Md Tahir	Universiti Teknologi MARA	S&T CORE
208	Application Of Steel Fibres In Inhibiting Crack Propagations In Reinforced Concrete Connections Under Action Of Lateral Cyclic Load In Ibs Construction	Siti Hawa Hamzah	Universiti Teknologi MARA	S&T CORE

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209	A new method for brainwave balancing using Horizontal Rotation	Ros Shilawani Bt. S. Abdul Kadir	Universiti Teknologi MARA	S&T CORE
210	A Novel Method for Damage Detection in Industrial Machines Based on Nonlinear Feature Extraction	Jawaid Iqbal Inayat-Hussain	Universiti Tenaga Nasional	S&T CORE
211	Development of new intelligent over-current relay in power system protection.	Agileswari a/p k. ramasamy	Universiti Tenaga Nasional	S&T CORE
212	Bi-objective optimization of bus lanes operations in urban cities	Khoo Hooi Ling	Universiti Tunku Abdul Rahman	S&T CORE
213	The Dual-Functional Solar-Concentrator-Antenna Systems for Power Generation and Microwave Communication in Space Missions	Lim Eng Hock	Universiti Tunku Abdul Rahman	S&T CORE
214	Development of hybrid porous heavy metal adsorbents by modification of palm shell activated carbon.	Gulnaziya	Universiti Tunku Abdul Rahman	S&T CORE
215	Development of an Innovative Robotic Arm: Modelling, Intelligent Non-linear Control, and Motion Planning	Haider Mohamed	University of Nottingham Malaysia Campus	S&T CORE