

GRANTS APPROVED (FRGS 1/2019)

No	Project Leader	Faculty	Grant	Project Title	Amount Approved (RM)
1	Dr. Azlan Bin Abd Aziz	Digital Connectivity Research Institute/ FET	FRGS	Development Of Asynchronous V2v With Nlos Vehicular Sensing	100,800.00
2	Dr. Olivia Tan Swee Leng	FOM	FRGS	Policy Framework For Enhancing Ageing Society Entrepreneurship And Cyber Security In Industry 4.0 : An Action Research Approach With Pusat Aktiviti Warga Mas ("Pawe")	60,000.00
3	Dr. Tan Chee Keong	FOE	FRGS	Robust And Precise Indoor Trajectory Tracking With Self-Learning Wi-Fi Fingerprint In Harsh Wi-Fi Environments	79,200.00
4	Dr. Lim Kian Ming	Digital Security Research Institute/ FIST	FRGS	Towards Artificial General Intelligence Via Superposition One-Shot Learning	85,200.00
5	Dr. Subarmaniam Kannan	FIST	FRGS	Containerized Fog Computing For Big Data Analytic Micro Service	62,610.00
6	Prof. Dr. Chuah Teong Chee	Digital Connectivity Research Institute/ FET	FRGS	Resource Allocation Techniques Toward Next-Generation Fixed-Mobile Convergence For Rural Connectivity	126,200.00
7	Assoc. Prof. Dr. Tan Shing Chiang	Digital Security Research Institute/ FIST	FRGS	A Deep Art-Based Neural Network With Incremental Learning For Detecting Adversaries Of Android Smartphone Malware	118,000.00
8	Dr. Noor Ashikin Binti Mohd Rom	Digital Society Research Institute/ FOM	FRGS	Reformation Of National Policy To End Homelessness: A Social Ecological Framework	87,700.00

No	Project Leader	Faculty	Grant	Project Title	Amount Approved (RM)
9	Dr. Ho Sin Ban	Digital Education Research Institute / FCI	FRGS	Modelling Machine Learning Use, Documentation And Weather-Based Healthcare To Prepare For Industry 5.0 Personalisation In Malaysia	85,200.00
10	Prof. Dr. Lai Ming Ming	Digital Society Research Institute/ FOM	FRGS	Modeling Of Well-Being Index With Mindfulness For B40 And M40 Households In Malaysia	87,200.00
11	Dr. Liew Tze Wei	FOB	FRGS	Instructional Design Framework Of Multimedia Learning With Eye-Movement Behavior: The Use Of Low-Cost Pygaze Eye-Tracker	81,500.00
12	Dr. Siti Fatimah Binti Abdul Razak	FIST	FRGS	A Framework For Vehicle Mobility Communications In Urban Environment	120,600.00
13	Dr. Liew Kia Wai	FET	FRGS	The Role Of Friction Stir Processing In Altering Tribological Properties Of Titanium Dioxide Reinforced Aluminum Alloy 6063	89,066.00
14	Dr. Chen Gooi Mee	FET	FRGS	Modelling The Effects Of Particle Migration On The Thermal Transport Of A Nanofluids-Cooled Microchannel Heat Sink	80,700.00
15	Thai Siew Bee	FOM	FRGS	An Examination Of The Factors Affecting The Adoption Of Cryptocurrency Among Investors In Malaysia	73,000.00
16	Dr. Katrina D. Dambul	FOE	FRGS	Non-Contact Methods For Measurement Of Oil Content In Palm Oil Fresh Fruit Bunch	88,200.00
17	Lim Elaine	FET	FRGS	A Characterization Study Of The Thermophysical Properties Of Graphene/Ionic Liquid-Based Nanofluids	88,500.00
18	Dr. Solarin Sakiru Adebola	Digital Security Research Institute/ FOB	FRGS	A Framework For Enhancing The Capability Of Foodbanking System To Mitigate Food Insecurity Among The B40 Group And Food Wastage	64,200.00

No	Project Leader	Faculty	Grant	Project Title	Amount Approved (RM)
19	Assoc. Prof. Dr. Wong Chee Onn	FCM	FRGS	Algorithmic Approach To Computational Aesthetics For Creative Data Visualisation	95,800.00
20	Dr. Hadhrami Ab Ghani	FET	FRGS	Road Marker Classification Mechanism Using Slope Contour Analysis In Rainy And Foggy Days	95,000.00
21	Tong Xue Fa	FOB	FRGS	Upskilling Street Food Microentrepreneuers Through Lifelong Learning: An Ethnography Study On Microenterprises' Business Operations	81,200.00
22	Dr. Chong Lee Lee	Digital Society Research Institute/ FOM	FRGS	A Preventive Framework For Adolescents In Tobacco Use Initiation: Push-Pull-Intention Model	75,200.00
23	Dr. Choon Shay Wei	Digital Society Research Institute/ FOM	FRGS	Modelling Adaptation To Climate Change On Fruits And Vegetables Yield Of Farmers In Cameron Highland.	86,200.00
24	Dr. Koong Seow Shin	FOM	FRGS	Assessing The Framework Of Government Expenditure And Economic Well-Being: A Comparison Study Between Advanced And Emerging Economies Using Non-Linear Threshold Models	83,900.00
25	Assoc. Prof. Dr. Ong Thian Song	Digital Lifestyle Research Institute/ FIST	FRGS	Finger Vein Fusion Framework With Template Protection	62,200.00
26	Muhammad Nizam Zainuddin	FOM	FRGS	Modelling Of Arts And Culture Entrepreneurs' Psychometric Inventory (Ace-Pi) For The Participants Of Makmal Inovasi Usahawan Produk Seni Budaya (Maus) And Young Artists Entrepreneurs (Yae!)Training Programme	99,400.00
27	Dr. Yvonne Lee Lean Ee	Digital Society Research Institute/ FOM	FRGS	Developing Digital Economy, Automation Models, And Mapping Of Heritage Street Foods, Beyond The Heritage City Enclave	49,700.00
28	Dr. Ng Yin Hoe	FOE	FRGS	A Robust Machine Learning Based Positioning Technique For Dynamic Indoor Environments Using Wi-Fi Fingerprint	87,200.00

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29	Dr. Nor Azlina Ab Aziz	FET	FRGS	Contracting - Expanding Single Solution Optimization For Optimal Insulin Management.	62,200.00
30	Dr. Zubaida Binti Yusoff	FOE	FRGS	Auxiliary Envelope Tracking Technique For Efficient Rf Power Amplifier Of 5g Mobile Applications	82,200.00
31	Assoc. Prof. Dr. Chong Chin Wei	Digital Cities Research Institute/ FOM	FRGS	Modelling A Practical Sustainable Development Framework For Green Volunteerism Among Malaysian Youth.	60,000.00
32	Dr. Yeo Sook Fern	FOB	FRGS	Developing A Framework Of Patients' Decisions For Oral Cancer Treatment	77,990.00
33	Dr Ridzwan Bin Bakar	FOM	FRGS	Waqf Hospital Funding And Governance Framework To Benefit B40 Social Wellbeing.	76,000.00
34	Cheah Yeh Ying	FOB	FRGS	Deconstructing The Malaysian Psychosocial Work Environment Towards Better Public Health Care Workers's Psychological Well Being, Mental Health And Patient Outcomes.	101,760.00
35	Assoc. Prof. Dr. You Ah Heng	FET	FRGS	Effect Of Lithium Transference Number In Solid Polymer Electrolyte For Polymer Battery	92,200.00
36	Dr. Chinnasamy Agamudai Nambhi Malarvizhi	Digital Society Research Institute/ FOM	FRGS	Modelling A Framework For Sustainable Healthcare Delivery- Analysis Of Iot Technology Adoption On Aged Ncd Patients In Malaysia	85,700.00
37	Dr. Chin Ji Jian	Digital Security Research Institute/ FOE	FRGS	Multiparty Identification Schemes Without Certificates	160,450.00
38	Dr. Zarina Binti Che Embi	FCI	FRGS	A Non-Immersive Virtual Reality Training Framework For Children With Autism Spectrum Disorder	63,780.00

No	Project Leader	Faculty	Grant	Project Title	Amount Approved (RM)
39	Dr. Ho Chiung Ching	FCI	FRGS	A New Explainable Expert-In-The-Loop Machine Learning Algorithm For Assisting Medical Diagnosis Of Non-Communicable-Diseases (Ncd)	66,200.00
40	Nur Asyiqin Bt Amir Hamzah	FET	FRGS	Interference Mitigation Mechanism For Large Antenna Systems With Ant-Colony Based User Grouping Modelling	101,200.00
41	Nee Chen Hon	FOE	FRGS	Embedded System Controlled Supercapacitor Batteries Hybrid Energy Storage System.	120,520.00
42	Mohd Izwardi Bin Mohd Yusoff	Digital Society Research Institute/ FAC	FRGS	Transformation Old Malay Manuscripts Through Gamification And Augmented Reality (Ar)	110,200.00
43	Dr. Nazrul Muhaimin	Digital Security Research Institute/ FIST	FRGS	Formulation Of Qr Code With Blockchain-Based Mutual Authentication Model For E-Government Customer Services	66,400.00
44	Assoc. Prof. Dr. Tan Siow Hooi	Digital Society Research Institute/ FOM	FRGS	Modelling An Intelligent Independent Living Framework With Smart Partner For Activities Of Daily Living (Adls) Among Elderly Adults: A Capability Approach	73,700.00
45	Prof. Dr. Hairul Azhar Bin Abdul Rashid	FOE	FRGS	Investigation Of Rayleigh Scattering Based Distributed Acoustic Sensing For Enhanced Oil Recovery	123,750.00
46	Dr. Guru Dhillon	FOL	FRGS	Attaining Optimum Cybersecurity: A Study Into Monitoring And Controlling The Online Betting Menace In Malaysia	60,000.00
47	Assoc. Prof. Dr. Chew Kok Wai	Digital Society Research Institute/ FOM	FRGS	Digital Disruption In Industry 4.0: A Framework For Upskilling And Reskilling Of Malaysian Manufacturing Smes B40 And M40 Employees	78,300.00
48	Ban Kar Weng	FCI	FRGS	Player-Dependent Predictive Modeling For Automated Tactical Analysis Of Broadcast Badminton Match Videos	110,400.00

No	Project Leader	Faculty	Grant	Project Title	Amount Approved (RM)
49	Dr. Shereen Khan	Digital Security Research Institute/ FOM	FRGS	Moulding The Enhancement Of Legal Framework To Combat Cybercrime In The Age Of Disruption	60,000.00
50	Assoc. Prof. Dr. Yap Seong Shan	Digital Security Research Institute/ FOE	FRGS	Understanding The Mechanisms Of Nanodiamonds Formation In Ultrafast Laser Filamentation	177,120.00
51	Assoc. Prof. Dr. Koo Ah Choo	Digital Security Research Institute/ FCM	FRGS	An Ehealth Modality Framework For Mental Wellness Among Digital Talents	82,220.00
52	Suraya Nurain Binti Kalid	FCI	FRGS	Anomaly Detection For Credit Card Data Using Multiple Classifiers Approach	76,002.00
53	Dr. Chinnaiyan Senthilpari	FOE	FRGS	Investigation On High Efficient And Low Power Multistage Power Amplifiers For 5g Wireless Communication	71,200.00

GRANTS APPROVED (TMR&D AUG/2019)

No.	Project Leader	Faculty	Grant	Project Title	Amount Approved (RM)
1	Prof. Dr. Neo Tse Kian	Digital Education Research Institute / FCM	TM R&D	Promoting Self-Directed Learning System Through Constructivists Learning Environment Using Virtual Reality	420,735.00
2	Heidi Tan Yeen-Ju	Digital Education Research Institute / FCM	TM R&D	Creative Problem Solving Learning Using Augmented Reality Technologies	346,143.00
3	Kamarulzaman Russali	Digital Education Research Institute / FCM	TM R&D	Digital Learning: Engaging Students In Flipped Classroom Learning Approach	265,335
4	Prof. Dr. Neo Mai	Digital Education Research Institute / FCM	TM R&D	Natural Language Artificial Intelligence Conversational Agents (NACA) For Socio-Constructivist Learning Environments	412,3704
5	Muhammad Syahmi Abd Aziz	Digital Education Research Institute / FCM	TM R&D	A Study On The Effectiveness Of Student-Centred Learning Through Gestures That Produces Interactive Visual Experience	438,711.00
6	Khairi Shazwan Dollmat	Digital Education Research Institute / FCM	TM R&D	Learning Analytics: Profiling The Learners Experience In Mixed Reality Environment	345,156.00

GRANTS APPROVED (AAIBE – MESTECC 2019)

No.	Project Leader	Faculty	Grant	Project Title	Amount Approved (RM)
1	Assoc. Prof. Dr. Gobbi Ramasamy	Digital Connectivity Research Institute / FOE	MESTECC- Akaun Amanah Industri Bekalan Elektrik (Malaysia Electricity Supply Industry Trust Account	Second Life EV Battery for Energy Storage System (ESS)	1,500,000.00