

GRANTS APPROVED FOR FRGS 1/2020

No	Reference Code	Faculty	Project Leader	Project Title	Amount Approved (RM)
1	FRGS/1/2020/SS01/MMU/03/1	Faculty of Computing and Informatics (FCI)	Ng Keng Hoong	A Novel Approach For Identifying Defensive Shariah-Compliant Stocks Listed On Bursa Malaysia	55,849.00
2	FRGS/1/2020/SS0/MMU/02/1	Faculty of Engineering (FOE)	Sarina Binti Mansor	Modelling Traffic-Based Driving Simulator Using Virtual Reality For JPJ Driving Education	72,500.00
3	FRGS/1/2020/SS0/MMU/02/2	Faculty of Management (FOM)	Mariati Binti Norhashim	Modelling A Business Digitization Advisory Framework For Small Medium Accounting Practitioners: A Rational Choice Theory Approach	66,700.00
4	FRGS/1/2020/ICT02/MMU/02/2	Faculty of Information Science and Technology (FIST)	Ooi Shih Yin	Spatio-Temporal Forest Fire Predictive Modelling In The Yayasan Sabah Forest Management Area	134,790.00
5	FRGS/1/2020/SS01/MMU/03/3	Faculty of Management (FOM)	Ruzanna Binti Ab Razak	Modelling Learners' Growth For Reducing Math Anxiety And Building Mathematical Resilience	60,200.00
6	FRGS/1/2020/SS01/MMU/03/4	Faculty of Management (FOM)	Vincent Oh Kim Seng	Modeling Resilience With Mindfulness For Youth Well-Being In The Age Of Disruption	76,700.00
7	FRGS/1/2020/TK0/MMU/03/4	Faculty of Engineering (FOE)	Lee Chu Liang	Investigation On The Influence Of LED Based Artificial Grow Light On Indoor Smart Farming With Machine Learning Optimization.	77,300.00
8	FRGS/1/2020/TK0/MMU/02/2	Faculty of Engineering (FOE)	Chan Kah Yoong	Investigation On The Properties Of All-Solid-State Electrochromic Devices Based On AZO Transparent Conducting Electrodes For Energy-Saving Smart Window Applications	90,720.00

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9	FRGS/1/2020/SS01/MMU/02/2	Faculty of Management (FOM)	Nahariah Jaffar	Crafting Financial Well-Being Framework With Capability Approach For Sustainable Quality Of Life Among B40 Young Adults And Housewives In Malaysia	100,000.00
10	FRGS/1/2020/ICT02/MMU/02/5	Faculty of Information Science and Technology (FIST)	Tee Connie	Few-Shot Learning Approach For Human Activity Recognition And Anomaly Detection	113,850.00
11	FRGS/1/2020/SS01/MMU/03/7	Faculty of Business (FOB)	Goh Choon Yih	Developing A Model For Mobile Payment Adoption Among Senior Citizen In Malaysia	82,000.00
12	FRGS/1/2020/ICT09/MMU/02/1	Faculty of Engineering and Technology (FET)	Lim Heng Siong	Radiation Aware Energy-Efficient Resource Allocation For Ultra-Dense 5G Mobile Networks	123,300.00
13	FRGS/1/2020/ICT02/MMU/02/7	Faculty of Information Science and Technology (FIST)	Pang Ying Han	A Temporal Deep Convolutional Sequence Analysis To Track Human Activity For Healthcare	103,490.00
14	FRGS/1/2020/SS02/MMU/03/1	Faculty of Business (FOB)	Cheah Chew Sze	Measuring B40 Psychological Wellbeing In GIG Economy Through The Lens Of Non-Monetary Indicator: A Foundation For Public Policy	83,100.00
15	FRGS/1/2020/ICT02/MMU/02/16	Faculty of Computing Informatics (FCI)	Wong Ya Ping	Novel Neural Network Architecture Generators For Weight-Sharing Randomly Wired Neural Networks	110,900.00
16	FRGS/1/2020/SS01/MMU/02/4	Faculty of Management (FOM)	Teh Boon Heng	Green Accounting Framework For Corporate Sustainable Development And Shared Prosperity	71,200.00

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17	FRGS/1/2020/TK02/MMU/03/1	Faculty of Engineering (FOE)	Azwan Bin Mahmud	Modelling And Algorithm For RF Energy Harvesting Utilizing Reconfigurable Intelligent Surface In Vehicle To Vehicle (V2V) System	97,300.00
18	FRGS/1/2020/SSIO/MMU/03/1	Faculty of Creative Multimedia (FCM)	Heidi Tan Yeen Ju	A Critical Analysis Of Authentic Learning Elements As A Framework For Complex Problem Solving.	76,700.00
19	FRGS/1/2020/TK02/MMU/02/1	Faculty of Engineering (FOE)	Goh Vik Tor	Streetsafe - Smartphone Assisted Fault Examination: A Collaborative Road Condition Monitoring System	116,400.00
20	FRGS/1/2020/SSO/MMU/02/4	Faculty of Business (FOB)	Gan Chin Lay	The Cybercrime Of Instant Messaging Phishing Victimization: An Empirical Analysis Of The Theory Of Bounded Rationality And Routine Activities	64,000.00
21	FRGS/1/2020/SSIO/MMU/02/2	Faculty of Computing Informatics (FCI)	Chua Fang Fang	Personalized Microlearning Resources Generation And Delivery For Online Employee Training And Development In Moving To Industry 5.0	86,500.00
22	FRGS/1/2020/TK0/MMU/02/5	Faculty of Engineering and Technology (FET)	Chua Ming Yam	Investigation Of Millimeter Wave Scattering Mechanism For Human Postures And Gaits Sensing	78,200.00
23	FRGS/1/2020/SS01/MMU/02/5	Faculty of Business (FOB)	Yuen Yee Yen	Developing Framework For Petrol Subsidy Programme Enhancement In Malaysia	50,200.00
24	FRGS/1/2020/SS01/MMU/02/7	Faculty of Management (FOM)	Ong Hway Boon	Stretching The Ringgit Model Through Smart Consumption To Alleviate The B40's Well-Being	85,100.00

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25	FRGS/1/2020/SS01/MMU/03/11	Faculty of Business (FOB)	Stany Wee Lian Fong	The Adoption Model Of Private Label Brand	71,400.00
26	FRGS/1/2020/ICT02/MMU/02/10	Faculty of Engineering (FOE)	Mohammad Faizal Ahmad Fauzi	Computer-Aided Histoscoreing Of HER2-SISH Predictive Marker For Breast Cancer Evaluation And Treatment	177,900.00
27	FRGS/1/2020/TK0/MMU/03/8	Faculty of Engineering (FOE)	Lee It Ee	Optimized Hybrid Architecture With Adaptive Energy-Efficient Backhauling For 5G Networks	59,700.00
28	FRGS/1/2020/TK0/MMU/03/9	Faculty of Engineering and Technology (FET)	Chong Peng Lean	Investigation Of Plant-Based Microbial Fuel Cell For Smart Farming lot Sensors	93,710.00
29	FRGS/1/2020/SS01/MMU/02/9	Faculty of Business (FOB)	Lye Chun Teck	Developing A New Framework For Enhancing The Reduce, Reuse And Recycle Of Household Solid Waste Using Integrated Behavioural Model And Environmental Literacy.	66,641.00
30	FRGS/1/2020/SS01/MMU/01/1	Faculty of Business (FOB)	Hishamuddin Ismail	Transforming The Rural Community Center (PKD): A Framework Among Women Entrepreneurs Participation In Malaysia	87,300.00
31	FRGS/1/2020/TK0/MMU/03/13	Faculty of Engineering and Technology (FET)	Thong Li Wah	Effect Of Multi-Mode Magnetic Spectrum Towards Piezoelectric Cantilever Beam For Vibration Energy Harvesting	74,820.00
32	FRGS/1/2020/SS02/MMU/02/3	Faculty of Management (FOM)	Magiswary Dorasamy	Model For Frugal Innovation Through Intellectual Capital And IT Capability To Build An IR4.0 Education Ecosystem	120,000.00

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33	FRGS/1/2020/SS01/MMU/02/10	Faculty of Business (FOB)	Suganthi A/P Ramasamy	Developing A Framework For Improving Corporate Value And Efficiency In Malaysia Through Effective Environmental, Social And Governance (ESG) Criteria	66,000.00
34	FRGS/1/2020/ICT06/MMU/02/1	Faculty of Engineering and Technology (FET)	Wong Wai Kit	Formulation Of A Ringgit Counterfeit Detection Framework For Visually Impaired Person	77,615.00
35	FRGS/1/2020/SS0/MMU/02/5	Faculty of Management (FOM)	Tan Chuie Hong	Modelling Vulnerability And Readiness Of Malaysian Tourism In The Context Of Climate Change	76,400.00
36	FRGS/1/2020/SS02/MMU/03/4	Faculty of Business (FOB)	Goh Mei Ling	Developing A Framework To Enhance Malaysian Youth's Mental Health Awareness	65,000.00
37	FRGS/1/2020/SS0/MMU/03/4	Faculty of Business (FOB)	Hew Wee Lim	Urban Biodiversity As The Frontier Of Housing Development: A Model To Explain Its Implementation And Impact On Residents' Wellbeing And Eco-Behaviours	72,215.00
38	FRGS/1/2020/TK0/MMU/03/15	Faculty of Computing Informatics (FCI)	Aziah Ali	Combinatorial Filtering And Machine Learning Approach To Improve Vessel Segmentation For Retinal Image Analysis	77,700.00
39	FRGS/1/2020/SS0/MMU/03/6	Faculty of Management (FOM)	Norzarina Binti Md Yatim	Crafting Transformed True And Fair View Model For The Public Sector In Building Effective, Accountable And Inclusive Institutions	76,200.00
40	FRGS/1/2020/SSI0/MMU/02/6	Faculty of Information Science and Technology (FIST)	Tan Choo Peng	Design Of Interactive Intelligent Mathematics Tutor Framework For Teaching And Learning	65,000.00

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41	FRGS/1/2020/SS01/MMU/02/17	Faculty of Management (FOM)	Nguyen Thi Phuong Lan	Determining Factors Affecting Lending Decisions Made By Malaysian Individuals Through Peer-To-Peer Lending Platforms	78,445.00
42	FRGS/1/2020/SSI0/MMU//1	Faculty of Applied Communication (FAC)	Nalini Pragasam	Improving And Digitalisation Of Individualised Education Programme(IEP) Framework For Special Education In Malaysian Public Schools.	64,200.00
43	FRGS/1/2020/SS0/MMU/03/10	Faculty of Information Science and Technology (FIST)	Yeow Jian Ai	Developing A Model For Reducing Workplace Accidents And Injuries In Manufacturing Industry- Application Of Occupational Safety And Health	68,000.00
44	FRGS/1/2020/SS0/MMU/02/7	Faculty of Business (FOB)	Robert Jeyakumar A/L Plamel Nathan	Framework For Renewable Energy Investment Sustainability To Reduce Poverty Among B40 Income Group	97,700.00
45	FRGS/1/2020/SS02/MMU/03/9	Faculty of Business (FOB)	Shadia Suhaimi	Framework For Effective Cervical Cancer Awareness To Prevent And Early Detection Among Malaysian.	64,600.00
46	FRGS/1/2020/SS0/MMU/02/8	Faculty of Applied Communication (FAC)	Hawa Binti Rahmat	Exploring The Psychological Profile Of Individuals Vulnerable To Fake News	83,850.00
47	FRGS/1/2020/SSI0/MMU/03/6	Faculty of Law (FOL)	Muhammad Nor Bin Abdurrahim	The Proposal Of Reforming Syariah Criminal Justice Framework In Malaysia Through Cooperative Federalism	65,000.00

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(IDRC/ ERASMUS/ MOSTI/ MATCH PROJECT MDEC-MMU/TDA/PPRN/ASEAN IVO/ TOGL TECHNOLOGY SDN BHD)

No	Grant	Faculty	Project Leader	Project Title	Amount Approved (RM)
48	International Development Research Centre (IDRC)	Faculty of Creative Multimedia (FCM) & Cnergy	Wong Chui Yin	Designing Mobile Services for Ageing Women in Malaysia	47,000.00
49	ERASMUS MUNDUS LEADERS	Faculty of Engineering and Technology (FET)	Tan Kim Geok	Malaysian Sustainable University Campus Network (MYSUN)	313,773.02
50	INTERNATIONAL COLLABORATION FUND-MOSTI	Faculty of Engineering and Technology (FET)	Chan Yee Kit	Design and Development of A Drone Based Hyperspectral Imaging System for Precision Agriculture	348,160.00
51	123RF Technology Sdn Bhd	Faculty of Computing Informatics (FCI)	John See Su Yang	Inmage Brain: Automatic Enhancement of Photographs for Improved Aesthetics Quality	72,000.00
52	Match Project MDEC-MMU	Faculty of Computing Informatics (FCI)	John See Su Yang	MDEC MyIndustry AI Scholarship Scheme - Inmage Brain	45,000.00
53	Technology Depository Agency (TDA)	Faculty of Engineering (FOE)	Mohd. Ridzuan Mokhtar	Fiber Optic Sensor System for Pantograph	140,000.00

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54	Match Project MDEC-MMU	Faculty of Computing Informatics (FCI)	Wan Noorshahida Binti Mohd Isa	Centre of Excellence on Big Data and Distributed Technology	66,757.70
55	ASEAN IVO	Faculty of Engineering and Technology (FET)	Koo Voon Chet	Applications of Computer Vision and AI in Smart Tourism Industry	20,769.20
56	TOGL TECHNOLOGY SDN BHD	Faculty of Engineering and Technology (FET)	Lim Heng Seong	Extremely Low Frequencies (ELF) Waves Exposure Studies on Cancer and Normal Cells for Bio-electromagnetic Cancer Applications	221,180.00
57	PROJEK PUBLIC-PRIVATE RESEARCH NETWORK (PPRN)	Faculty of Engineering and Technology (FET)	Koo Voon Chet	Artificial Intelligent Robot for Patient Care Coordination and Document Delivery	102,000.00
58	PROJEK PUBLIC-PRIVATE RESEARCH NETWORK (PPRN)	Faculty of Engineering (FOE)	Hairul Azhar Abdul Rashid	Radiation Survey Meter with Intrinsically Safe Extendable Probe	106,800.00