

## MMU External Grant August 2016

BIL	GRANT PROVIDER	KETUA PROJEK	FACULTY	PROJECT MEMBER	TAJUK PROJEK	KLUSTER	SUB KLUSTER	LULUS (RM)
1	MOHE	Dr. Chin Wen Cheong	Faculty Of Management (FOM)	1. Grace Yap Lee Ching (Uni. of Nottingham in Malaysia) 2. Ms. Ng Sew Lai (FCI) 3. Prof. Dr. Zaidi Isa (UKM) 4. Lee Min Cherng (UTAR)	Modelling and Forecasting Global Shari'ah Stock Market Realized Volatility Using High-frequency Data	Pure and Applied Science	Mathematics and Statistics	124,790.00
2	MOHE	Prof. Dr. Tou Teck Yong	Faculty Of Engineering (FOE)	1. Assoc. Prof. Dr. You Ah Heng (FET)	Charge Injection, Confinement and Energy Partition in Hybrid White-Light Organic Light Emitting Devices	Technology and Engineering	Electrical and Electronic	106,000.00
3	MOHE	Dr. Wan Noorshahida Mohd Isa	Faculty of Computing and Informatics (FCI)	1. Dr. Nor'ain Mohd Yusoff (FCI) 2. Dr. Normiza Hashim (FCI) 3. Dr. Junaidi Abdullah (FCI)	Meliponine Bee Species Identification via Vision-Based Technique	Natural and Cultural Heritage	Biodiversity	88,000.00
4	MOHE	Prof. Dr. Sim Kok Swee	Faculty of Engineering and Technology (FET)	1. Mr. Desmond Kho Teck Kiang (FET) 2. Prof. Dr. Tso Chih Ping (FET)	3D Model Reconstruction of Breast Cancer Detection Using and Neural Networks	Information and Communication Technology	Software	80,200.00
5	MOHE	Dr. Chan Gaik Yee	Faculty of Computing and Informatics (FCI)	1. Dr. Chua Fang Fang (FCI)	Adaptive Mechanisms in Detecting, Predicting and Rectifying Violations of Quality of Services in Cloud Computing	Information and Communication Technology	Software	66,200.00
6	MOHE	Dr. John See Su Yang	Faculty of Computing and Informatics (FCI)	1. Prof. Dr. Raphael Phan Chung Wei (FOE) 2. Le Ngo Anh Cat (University of Nottingham UK) 3. Tan Bih Yuan (UMS) 4. Yandan Wang (Wenzhou University, China)	Novel Methods for Spotting and Recognition of Spontaneous Facial Micro-Expressions from Naturalistic Situations	Information and Communication Technology	Artificial Intelligence	80,200.00

## MMU External Grant August 2016

BIL	GRANT PROVIDER	KETUA PROJEK	FACULTY	PROJECT MEMBER	TAJUK PROJEK	KLUSTER	SUB KLUSTER	LULUS (RM)
7	MOHE	Dr. Chua Sook Ling @ Landa Chua	Faculty of Computing and Informatics (FCI)	1. Dr. Foo Lee Kien (FCI) 2. Ms. Lim Siew Ling (FCI)	A Novel Information-Theoretic Approach to Informative Sensor Selection for Effective Activity Recognition in Smart Homes	Information and Communication Technology	Artificial Intelligence	65,200.00
8	MOHE	Ms. Ooi Shih Yin	Faculty of Information Science and Technology (FIST)	1. Dr. Pang Ying Han (FIST) 2. Dr. Wee Kuok Kwee (FIST) 3. Ms. Chong Siew Chin (FIST) 4. Ms. Chong Lee Ying (FIST) 5. Assoc. Prof. Dr. Tan Shing Chiang (FIST) 6. Dr. Cheah Wooi Ping (FIST)	Temporal Classification in the Application of Anomaly Based Intrusion Detection Systems	Information and Communication Technology	Artificial Intelligence	64,200.00
9	MOHE	Dr. Neo Han Foon	Faculty of Information Science and Technology (FIST)	1. Assoc. Prof. Dr. Ong Thian Song (FIST) 2. Dr. Devinaga K. Rasiah (FOB) 3. Dr. Tong Yoon Kin (FOB) 4. Mr. Teo Chuan Chin (FIST)	Safeguarding Identity Integrity in Mobile Commerce via Proactive Approach	Information and Communication Technology	Information System	63,200.00
10	MOHE	Prof. Dr. Lai Ming Ming	Faculty Of Management (FOM)	1. Dr. Chong Lee Lee (FOM) 2. Pang Mary (Uni. Nilai)	Modeling of Retirement Satisfaction Index for Improving Wellbeing in Malaysia	Social Sciences	Business [incl. Accounting, Finance & Marketing]	50,000.00
11	MOHE	Prof. Dr. Wan Fadzilah binti Wan Yusoff	Faculty Of Management (FOM)	1. Raja Rizal Iskandar Raja Hisham (Infrastructure Uni, KL) 2. Prof. Dr. Govindan Marthandan (FOM) 3. Mr. Sabarudin Zakaria (FOM)	The Role of Trust in the Development of Sustainability Model for Franchise Entrepreneurship	Social Sciences	Business [incl. Accounting, Finance & Marketing]	49,000.00

## MMU External Grant August 2016

BIL	GRANT PROVIDER	KETUA PROJEK	FACULTY	PROJECT MEMBER	TAJUK PROJEK	KLUSTER	SUB KLUSTER	LULUS (RM)
12	MOHE	Dr. Robert Jeyakumar Plamel Nathan	Faculty Of Business (FOB)	1. Mr. Davoud Nikbin (FOB) 2. Dr. Aravindan Kalisri Logeswaran Velachamy (GSM)	Framework for Organic Food Producte Innovations for Urban Consumer Patronage	Social Sciences	Business [incl. Accounting, Finance & Marketing]	69,900.00
13	MOHE	Assoc. Prof. Dr. Nahariah Jaffar	Faculty Of Management (FOM)	1. Ms. Azleen Shabrina Mohd Nor (FOM) 2. Ms. Zarehan Selamat (FOM)	An Improved Integrated Reporting Framework for Enhancing the Value Relevance in Malaysia	Social Sciences	Business [incl. Accounting, Finance & Marketing]	46,600.00
14	MOHE	Mr. The Boon Heng	Faculty Of Management (FOM)	1. Dr. Chong Lee Lee (FOM) 2. Assoc. Prof. Dr. Ong Tze San (UPM)	Environmental Dynamic Capabilities Framework for Higher Organizational Competitiveness and Performance	Social Sciences	Business [incl. Accounting, Finance & Marketing]	49,000.00
15	MOHE	Dr. Aravindan Kalisri Logeswaran Velachamy	Graduate School of Management (GSM)	1. Assoc. Prof. Dr. Ashley Edward Roy Soosay (UMS) 2. Prof. Dr. Murali Raman (FOM) 3. Prof. Dr. M. Saravanan Muthaiyah (FOM) 4. Dr. Robert Jeyakumar Plamel Nathan (FOM) 5. Mr. Mohd Nor Ismail (FOM)	Modelling Affinity of Open Innovation and the Moderating Impact of Appropriability Regimes Among SMEs	Social Sciences	Business [incl. Accounting, Finance & Marketing]	50,000.00
16	MOHE	Mr. Vincent Oh Kim Seng	Faculty Of Management (FOM)	1. Assoc. Prof. Dr. Yong Gun Fie (FOM) 2. Mr. Low Jing Hong (FOM) 3. Dr. Gowriw Vinayan (Heriot-Watt Uni. Malaysia) 4. Dr. Abdullah Al Mamun Sarwar (FOM) 5. Dr. Junainah Mohd Mahdee (FOM)	An Employee Retention Framework with Workplace Spirituality for Job-Hopping Prevention Amongst the Gen Y.	Social Sciences	Management [Organisational Behaviour, Entrepreneurship]	44,500.00

## MMU External Grant August 2016

BIL	GRANT PROVIDER	KETUA PROJEK	FACULTY	PROJECT MEMBER	TAJUK PROJEK	KLUSTER	SUB KLUSTER	LULUS (RM)
17	MOHE	Dr. Magiswary Dorasamy	Faculty Of Management (FOM)	<ol style="list-style-type: none"> <li>1. Dr. Maniam Kaliannan (Uni. Of Nottingham in Malaysia)</li> <li>2. Prof. Dr. Murali Raman (FOM)</li> <li>3. Manimekalai Jambulingam (Uni. Taylors)</li> <li>4. Dr. Adedapo Oluwaseyi Ojo (FOM)</li> </ol>	Enhanced Model for CyberSecurity Violation in IoT-Enabled Bright Society	Social Sciences	Management [Organisational Behaviour, Entrepreneurship]	55,200.00
18	MOHE	Dr. Adedapo Oluwaseyi Ojo	Faculty Of Management (FOM)	<ol style="list-style-type: none"> <li>1. Prof. Dr. Murali Raman FOM)</li> <li>2. Dr. Magiswary Dorasamy (FOM)</li> <li>3. Prof. Dr. M Saravanan Muthaiyah (FOM)</li> <li>4. Dr. Soh Chin Hooi (FOM)</li> <li>5. Dr. Abdullah Al Mamun Sarwar (FOM)</li> <li>6. Ms. Sharmini Gopinathan (FOM)</li> </ol>	Modelling the Antecedents of Employees Engagement for Effective Green IT Strategy in Malaysia.	Social Sciences	Management [Organisational Behaviour, Entrepreneurship]	50,000.00
19	MOHE	Ms. Cheah Yeh Ying	Faculty Of Business (FOB)	<ol style="list-style-type: none"> <li>1. Dr. Goh Guan Gan (FOB)</li> <li>2. Al-Mansor Abu Said (FOB)</li> <li>3. Ms. Gan Chin Lay (FOB)</li> </ol>	Psychosocial Work Environment, Emotional Exhaustion and Mental Health Problems Among Nurses in Public Hospitals: The Mediating Role of Emotional Exhaustion.	Social Sciences	Management [Organisational Behaviour, Entrepreneurship]	53,250.00
20	MOHE	Dr. Jaya Ganesan	Faculty Of Business (FOB)	<ol style="list-style-type: none"> <li>1. Dr. Tan Khong Sin (FOB)</li> <li>2. Prof. Dr. Hishamuddin Ismail (VP ACAD)</li> <li>3. Dr. Devinaga K. Rasiah (FOB)</li> <li>4. Ms. Haniza Hashim (FOB)</li> </ol>	A Study on Understanding Trade Union Effectiveness in the Era of Trans-Pacific Partnership Agreement : Evidence from Malaysia.	Social Sciences	Management [Organisational Behaviour, Entrepreneurship]	45,000.00

## MMU External Grant August 2016

BIL	GRANT PROVIDER	KETUA PROJEK	FACULTY	PROJECT MEMBER	TAJUK PROJEK	KLUSTER	SUB KLUSTER	LULUS (RM)
21	MOHE	Dr. Kannan Rathimala	Faculty Of Management (FOM)	<ol style="list-style-type: none"> <li>1. Prof. Dr. Murali Raman (FOM)</li> <li>2. Dr. Magiswary Dorasamy (FOM)</li> <li>3. Assoc. Prof. Dr. Sreenivasan Jayashree (FOM)</li> <li>4. Dr. Chinnasamy Agamudai Nambi Malarvizhi (FOM)</li> <li>5. Dr. Ramakrishnan Kannan (FCI)</li> <li>6. Ms. Ramajothi Sathish (Salalah College of Technology, Oman)</li> </ol>	Modelling Social Network Based Civic Engagement Solutions for Dengue Prevention in Malaysia	Social Sciences	Management [Organisational Behaviour, Entrepreneurship]	49,000.00
22	MOHE	Dr. Lim Tek Yong	Faculty of Computing and Informatics (FCI)	<ol style="list-style-type: none"> <li>1. Dr. Khor Chia Ying (FCI)</li> <li>2. Oon Yin Bee (Uni. Malaysia Sarawak)</li> </ol>	Student Engagement in Collaborative Interactive Surface: A Case Study	Social Sciences	Sociology	55,200.00
23	MOHE	Ms. Chong Choy Yoke	Faculty Of Management (FOM)	<ol style="list-style-type: none"> <li>1. Dr. Yvonne Lee Lean Ee (FOM)</li> <li>2. Assoc. Prof. Dr. Law Siong Hook (UPM)</li> <li>3. Dr. Koong Seow Shin (FOM)</li> <li>4. Ms. Ng Chee Hung (FOM)</li> </ol>	Dynamic Threshold Effects with Institutional Quality of Debt-Growth Relationship of Trans-Pacific Partnership Countries	Social Sciences	Economics	45,000.00
24	MOHE	Dr. Junaidi Abdullah	Faculty of Computing and Informatics (FCI)	<ol style="list-style-type: none"> <li>1. Dr. Wan Noorshahida Mohd Isa (FCI)</li> <li>2. Ms. Shahbe Mat Desa (FCI)</li> </ol>	Developing Continuous Live Automatic Speech Recognition in Malay Language	Social Sciences	Communication	75,200.00

## MMU External Grant August 2016

BIL	GRANT PROVIDER	KETUA PROJEK	FACULTY	PROJECT MEMBER	TAJUK PROJEK	KLUSTER	SUB KLUSTER	LULUS (RM)
25	MOHE	Mr. Hew Wee Lim	Faculty Of Business (FOB)	1. Dr. Goh Guan Gan (FOB) 2. Ms. Lau Siok Hwa (FOB)	Developing a Model of Urban Residents' Endurance in Crime Prone Communities	Social Sciences	Ethnography	66,400.00
26	MOHE	Mr. Low Jing Hong	Faculty Of Management (FOM)	1. Prof. Dr. M Saravanan Muthaiyah (FOM) 2. Dr. Yvonne Lee Lean Ee (FOM) 3. Dr. Tan Nya Ling (FOM) 4. Ms. Kwan Jing Hui (FOM)	Enhance The Adoption of Lifelong Learning Through Gamification for B40 Malaysia.	Arts and Applied Arts	Education	50,000.00
27	MOHE	Ms. Gan Chin Lay	Faculty Of Business (FOB)	1. Ms. Audrey Cheak Poh Choo (FOB) 2. Ms. Cheah Yeh Ying (FOB)	Blended Learning in Malaysia's Higher Education via Eduboard App: Framework and Guidelines	Arts and Applied Arts	Education	53,000.00
28	MOHE	Dr. Guru Dhillon	Faculty Of Law (FOL)	1. Ms. Siti Marshita Mahyut (FOL) 2. Ms. Azwina Wati Abdul Manaf (FOL) 3. Dr. Mohamed Ishak Abdul Hamid (FOL)	The Set-up and Implementation of the Industrial Relations Appeal Court (IRAC) as The Full and Final Appeal Body for Industrial Court Disputes in Malaysia - An In-Depth Study	Arts and Applied Arts	Policies and Law	50,000.00
29	MOHE	Prof. Tso Chih Ping	Faculty of Engineering and Technology (FET)	1. Dr. Kok Chee Kuang (FET) 2. Dr. Chen Gooi Mee (FET)	Thermo-Fluids Effects Due to Motion in Artificial Hip Joints.	Technology and Engineering	Mechanical & Manufacturing	56,300.00
30	TM R&D	Dr. Tan Saw Chin	Faculty of Computing and Informatics (FCI)	1. Assoc. Prof. Dr. Zulfadzli Yusoff(FOE) 2. Assc. Prof. Dr. Lee Ching Kwang (FOE) 3. Ms. Shahbe Mat (FCI)	Design and Analysis of DDos Attack-Aware Software-Defined Network Controller Placement			199,762.50

## MMU External Grant August 2016

BIL	GRANT PROVIDER	KETUA PROJEK	FACULTY	PROJECT MEMBER	TAJUK PROJEK	KLUSTER	SUB KLUSTER	LULUS (RM)
31	TM R&D	Ms. Heidi Tan Yeen-Ju	Faculty of Creative Multimedia (FCM)	<ol style="list-style-type: none"> <li>1. Prof. Dr. Neo Mai (FCM)</li> <li>2. Prof. Dr. Neo Tse Kian (FCM)</li> <li>3. Dr. Hew Soon Hin (FCM)</li> <li>4. Ms. Syarifah Nurleyana Wafa Binti Syed Naguib Wafa. (FCM)</li> <li>5. Mr. Mohd Nazri Zainuddin (FCM)</li> <li>6. Muhammad Syahmi Abd Aziz (FCM)</li> </ol>	Augmented Reality Technologies for Immersive Learning Spaces (DARE)			199,941.00
32	TM R&D	Assoc. Prof. Dr. Lim Heng Siong	Faculty of Engineering and Technology (FET)	<ol style="list-style-type: none"> <li>1. Dr. Alan Tan Wee Chiat (FET)</li> <li>2. Prof. Koo Voon Chet (FET)</li> <li>3. Dr. Chua Ming Yam (FET)</li> <li>4. Dr. Gobi Vetharatnam (FOE)</li> <li>5. Mr. Lee Lian Hong (FET)</li> </ol>	Millimeter-Wave Massive MIMO Channel Sounding, Estimation, and Beamforming for 5G (mmWave)			334,950.00
33	TM R&D	Dr. John See Su Yang	Faculty of Computing and Informatics (FCI)	<ol style="list-style-type: none"> <li>1. Dr. Ian Tan Kim Teck (FCI)</li> <li>2. Dr. Wong Lai Kuan (FCI)</li> <li>3. Prof. Raphael Phan Chung Wei (FOE)</li> </ol>	Video Analytics for MultiCamera Longterm Surveillance in Smart Cities (SHERLOCK)			200,000.00