

| Grant Scheme | Project No. | Project Title | Project Leader | Co Researcher | Vot No | Year Allowance Accepted | Total Approved (RM) | Jabatan | Laboratory |
|--------------|---------------------------------------|---|---------------------|---|---------|-------------------------|---------------------|--|--|
| GP-IPM | UPM.INSPEM.8003/3/2021/GPIPM/9697800 | Imbalanced Classification in Credit Scoring Using Deep Reinforcement Learning | Kathiresan Gopal | 1.Prof. Madya Dr. Lee Lai Soon 2.Prof. Madya Dr. Seow Hsin Vonn | 9697800 | 2021 | 60,000.00 | Institut Penyelidikan Matematik (INSPEM) | Laboratory of Computational Statistics & Operations Research (Laboratori Statistik Komputasi dan Penyelidikan Operasi) |
| GP-IPM | UPM.INSPEM.8003/3/2021/GPIPM/9703700 | Network Analysis of Financial Markets in an Internet of Things (IOT) | Zurita Ismail | 1. Prof. Madya Ts. Dr. Masnida Hussin (Mentor) 2. Prof. Madya Dr. Siti Nur Iqmal Ibrahim 3. Mohamed Faris Laham 4. Dr. Hafizah Bahaludin (UIAM) 5. Ts. Dr. Lam Weng Siew (UTAR) | 9703700 | 2021 | 50,000.00 | Institut Penyelidikan Matematik (INSPEM) | Laboratory of Computational Science and Mathematical Physics (Laboratori Sains Berkomputasi dan Fizik Bermatematik) |
| GP-B | UPM.INSPEM.8003/3/2022/GP-B/9711400 | Boundary-layer flow of a hybrid nanofluid along a permeable surface with convective boundary condition and nanoparticles shape effect | Norihan Md Arifin | 1.PM. Dr. Norfifah Bachok 2. Dr. Shahirah Abu Bakar, 3. Prof Ioan Pop | 9711400 | 2022 | 96,000.00 | Jabatan Matematik dan Statistik, Fakulti Sains | Laboratory of Computational Science and Mathematical Physics (Laboratori Sains Berkomputasi dan Fizik Bermatematik) |
| GP-IPS | UPM.INSPEM.8003/3/2022/GP-IPS/9716200 | Higher-order Multi-step RungeKutta-Nystr+m methods for integrating general second-order ordinary differential equations | Norazak Senu | 1. Prof. Dr. Zanariah Abdul Majid 2. Athraa Abdul Salam Jasim Allthawi (GS56796) | 9716200 | 2022 | 13,500.00 | Jabatan Matematik dan Statistik, Fakulti Sains | Laboratory of Computational Science and Mathematical Physics (Laboratori Sains Berkomputasi dan Fizik Bermatematik) |
| GP-IPS | UPM.INSPEM.8003/3/2022/GP-IPS/9729200 | Topological Analysis on Public Transportation in Klang Valley: A Complex Network Approachs | Chan Kar Tim | 1. Dr. Nurisya Bt Mohd Shah 2. Dr. Umair Abdul Halim 3. Nur Umaisara Binti Rashid | 9726900 | 2022 | 20,000.00 | Jabatan Fizik, Fakulti Sains | Laboratory of Computational Science and Mathematical Physics (Laboratori Sains Berkomputasi dan Fizik Bermatematik) |
| GP-IPM | UPM.INSPEM.8003/3/2022/GPIPM/9732000 | Investigating university mathematics students' self-regulated learning approach in online learning environment | Malathi Letchumanan | 1. Prof. Madya Dr. Sharifah Kartini Said Husain (Mentor) 2. Prof. Dr. Ahmad Fauzi Mohd Ayub | 9732000 | 2022 | 35,000.00 | Institut Penyelidikan Matematik (INSPEM) | Laboratory of Ethnomathematics and Didactics (Laboratori Etnomatematik dan Didaktik) |

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| GP-IPS | UPM.INSPEM.8003/3/2023/GP-IPS/9749400 | Performance Modeling and Analysis of Edge Infrastructure in Palm Oil Fields Using Minimum Spanning Tree [MST] Approach: The Case for Machinery Movement | Masnida Hussin | 1.Prof Madya Dr Fazirulhisham Hashim 2.Ts Ahmad Faisal Abdul Ghafar 3.Zahari Mahad 4.Ahmad Alauddin Ariffin 3. 5.Azizi Mohd Ali | 9749400 | 2023 | 20,000.00 | Fakulti Sains Komputer dan Teknologi Maklumat | Laboratory of Computational Science and Mathematical Physics (Laboratori Sains Berkomputasi dan Fizik Bermatematik) |
| GP-IPS | UPM.INSPEM.8003/3/2023/GP-IPS/9774600 | Human Factors Mediates Between Organizational And Social Factor With Cybersecurity Awareness | Ahmad Fauzi Mohd Ayub | 4. 1. Nur Raidah Salim (GS61739) | 9774600 | 2023 | 15,000.00 | Fakulti Pengajian Pendidikan | Laboratory of Ethnomathematics and Didactics (Laboratori Etnomatematik dan Didaktik) |
| GPI | UPM.INSPEM.8003/3/2023/GP-I/9765400 | Adaptive Multi-Step RungeKutta-Nystrom Methods for Integrating General Second-Order Ordinary Differential Equations | Norazak Senu | 1. Prof. Dr. Zanariah Abdul Majid 2. Athraa Abdulsalam Jasim Al-Ithawi 5. (GS56796) | 9765400 | 2023 | 46000 + 30k) (16k | Jabatan Matematik dan Statistik, Fakulti Sains | Laboratory of Computational Science and Mathematical Physics (Laboratori Sains Berkomputasi dan Fizik Bermatematik) |
| GPI | UPM.INSPEM.8003/3/2023/GP-I/9779100 | Factoring Some Moduls Of RSA Variants Using Partial Key Exposure Attack | Amir Hamzah Abd Ghafar | 1. Prof. Dr. Muhammad Real Kamel Ariffin 2. Assoc. Prof. Dr. Siti Hasana Sapar 3. Dr. Mohamat Aidil Mohamat Johari 6. Dr. Yow Kai Slong | 9779100 | 2023 | 12,000.00 | Jabatan Matematik dan Statistik, Fakulti Sains | Laboratory of Cryptography, Analysis and Structure (Laboratori Kriptografi, Analisis dan Struktur) |
| GP-IPS | UPM.INSPEM.8003/3/2023/GP-IPS/9782800 | The Heat Properties of Boundary Layer Flow of Hybrid Nanofluid Over A Moving Wedge Or Stretching/ Shrinking Sheet | Siti Suzilliana Putri Mohamed Isa | 1. Dr. Fadzilah Md Ali 2. Nanthini A/P Balakrishnan 7. (GS65378) | 9782800 | 2023 | 20,000.00 | Pusat Asasi Sains Pertanian (ASPer) | Laboratory of Computational Science and Mathematical Physics (Laboratori Sains Berkomputasi dan Fizik Bermatematik) |
| GP-B | UPM. INSPEM. 800-3/3/2024/GP-B/9783500 | STAR-6G: Simultaneous Transmit and Receive – Reconfigurable Intelligent Surface (STAR-RIS) – Assisted and Optimised 6G Heterogenous Networks using Machine Learning | Aduwati Sali | 1. Dr Qi Luo (University of Hertfordshire, UK) 2. Prof. Dr. Alyani Ismail 3. Assoc. Prof. Dr. Fazirulhisyam Hashim 4. Assoc. Prof. Dr. Syamsiah 8. Mashohor | 9783500 | 2024 | 99,500.00 | Fakulti Kejuruteraan | Network Modeling Laboratory (Laboratori Permodelan Rangkaian) |

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| GP-IPM | UPM.INSPEM.8003/3/2024/GPIP/9789000 | A Development Of Identifying Method And Cryptanalysis Attack On Rsa-Variant Digital Certificate Based Generated By A Potential Rogue Certificate Authority | Zahari Mahad | 1. Prof. Dr. Muhammad Rezal Kamel Ariffin 2. Prof. Madya Dr. Sharifah Kartini Said Husain 3. Pn. Raidah Salim 9. Dr. Rahmat Zaki Auliya | 9789000 | 2024 | 30,000.00 | Institut Penyelidikan Matematik (INSPEM) | Laboratory of Cryptography, Analysis And Structure (Laboratori Kriptografi, Analisis Dan Struktur) |
| GP-IPS | UPM.INSPEM.8003/3/2024/GP-IPS/9789100 | Classification Of Two Dimensional Anti-Associative, Left-Leibniz And Left-Jordan Algebra Over Z. | Sharifah Kartini Said Husain | 1. Dr. Witriany Basri 10. Azreen Ardini Zohan (GS68584) | 9789100 | 2024 | 20,000.00 | Fakulti Sains | Laboratory of Cryptography, Analysis And Structure (Laboratori Kriptografi, Analisis Dan Struktur) |