

CURRICULUM VITAE



A. **PERSONAL DETAILS**

1. Name : Ts. FATIN NAJWA MOHD NUSA
2. Date of Birth : 19-06-1989
3. Sex : Female
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Google Scholar

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UiTM Expert Profile Link:

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 **Web of Science**

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B. **BRIEF PERSONAL HISTORY**

Fatin Najwa Mohd Nusa completed her diploma and Bachelor's degree in Civil Engineering at Universiti Teknologi MARA (UiTM), Malaysia, in 2010 and 2013, respectively. In 2016, she obtained her Master of Science (MSc.) in Transport and Logistics from the same institution. Currently, she is pursuing her PhD study within the same research area. She has been serving UiTM since April 2019 as a lecturer at the School of Civil Engineering, College of Engineering, Universiti Teknologi MARA (UiTM) Shah Alam and, concurrently seconded as a researcher at the Centre of Excellence (CoE) MITRANS, UiTM Shah Alam. Her research focuses on knowledge of road safety management, sustainable highways, construction management, and public transport studies.

C. **ACADEMIC QUALIFICATION**

No.	Degree/Qualification	Name of Institution	Year Awarded
1.	Master of Science (MSc)	Universiti Teknologi MARA (UiTM), Shah Alam, Malaysia	2016
2.	BEng (Hons) Civil Engineering	Universiti Teknologi MARA (UiTM), Shah Alam, Malaysia	2013
3.	Diploma in Civil Engineering	Universiti Teknologi MARA (UiTM), Pulau Pinang, Malaysia	2010

D. **WORKING EXPERIENCE**

No.	Name & Employer Address	Position Held	Start & End Date
1.	School of Civil Engineering, College of Engineering/ Malaysia Institute of Transport (MITRANS), Universiti Teknologi MARA (UiTM), Shah Alam, Selangor	Lecturer/ Researcher	15/4/2019 – Present
2.	PICOMS International University College, Batu Muda, Kuala Lumpur	Logistics Management Lecturer	10/10/2018 – 31/3/2019
3.	Malaysia Institute of Transport (MITRANS), Universiti Teknologi MARA (UiTM), Shah Alam, Selangor	Research Assistant	5/7/2013 – 30/9/2018
4.	Megat Ahmad Shahrani Sdn. Bhd. (M & E), 25A, Jalan Medan Ipoh 3, Bandar Baru Medan, 31400 Ipoh, Perak	Trainee	9/7/2012 – 9/9/2012

E. **PROFESSIONAL QUALIFICATIONS**

1. Professional Technologist, Malaysia Board of Technologist (MBOT), since 2020. (Reg.Nr.: PT20120066)
2. Member of Board of Engineer Malaysia (BEM), since 2014. (Reg.Nr.: 91135A)
3. Member of Institute of Engineer Malaysia (IEM), since 2020. (Reg. Nr.: 111152)
4. Member of International Association of Engineers (IAENG), since 2023. (Reg.Nr.: 350333)
5. Member of International Association of Innovation Professionals (IAOIP), since 2020. (Reg.Nr.: 64936543)
6. Member of Graduate Technologist (MBOT), since 2020. (Reg.Nr.: GT20040319)
7. Member of Management Science/ Operation Research Society of Malaysia (MSORSM)), since 2013 (Reg. Nr.: LMM061)

F. **RESEARCH AREA(S)**

No.	Area	Specific sub-areas
1.	Transport and Logistics	Road safety tool (iRAP), Public Transport, Customer Satisfaction, Autonomous Vehicle
2.	Civil Engineering	Green Highway, Green Construction, Construction Management, Construction Technology

G. **MASTER OF SCIENCE (MSc) THESIS (by Research)**

A Model for Relationship between Characteristics and Challenges in Implementing Green Highway (2016)

H. **RESEARCH GRANTS INVOLVEMENT**

No	Project	Source	Role	Date Begin	Date End
1.	Developing a Systemic and Sustainable Transport Framework to Promote Cycling Safety in Malaysia using Multi-Criteria Decision Model	Geran FRGS FRGS/1/2023/TK02/UiTM/02/1 RM 71,000.00	Researcher	1 Oktober 2023	30 September 2025
2.	Projek Kajian & Audit Keselamatan Jalan Raya Tahap 5 & Penilaian Bintang iRAP UiTM Puncak Alam	Geran deLIMA MITRANS, UiTM RM 22,615.97	Researcher	1 January 2022	31 December 2022

3.	A Framework On Performance Measurement Criteria For Sub-contracting Management In The Malaysian Construction Supply Chain	Geran FRGS FRGS/1/2021/ TK01/UITM/02/2 RM75,750.00	Researcher	1 September 2021	6 September 2023
4.	Assesment of AFAFGIT Implementation For Seamless Operation On Singapore-Kunming Rail Link (SKRL) Network: Malaysian Context	Geran Alumni Kolaboratif MITRANS RM5,000	Researcher	1 Oktober 2021	30 September 2022
5.	Positioning Automated Rapid Transit (ART) Within National Transportation Regulations	Geran Alumni Kolaboratif MITRANS RM5,000	Researcher	1 Oktober 2021	30 September 2022
6.	The Potential of Real Estate Investment Trust (REIT) as the investment regime for the railway development in Malaysia	Geran Alumni Kolaboratif MITRANS RM5,000	Researcher	1 Oktober 2021	30 September 2022
7.	The Green Adaptive Reuse of Historical Buildings in Heritage City	Projek Penyelidikan MITRANS-EK (ReNeU) RM5,000	Researcher	1 Jun 2021	31 May 2022
8.	The Development of UiTM Systematic Road Accident Database and Analysis System - SRADA@UiTM	Geran deLIMA MITRANS, UiTM RM20,000	Principal Investigator	1 Jun 2021	31 Mei 2023
9.	Road Safety Star Rating for Vulnerable Road User at UiTM Shah Alam Campus using iRAP Approach - VRURAP@UITM Campus	Geran deLIMA MITRANS, UiTM RM20,000	Researcher	1 January 2021	31 December 2022
10.	UiTM Shah Alam Towards Low Carbon Campus Through Carbon Reduction in Transportation	600-RMC/DANA 513/BESTARI (TD)(007/2019) RM25,000	Researcher	1 February 2020	30 July 2022

11.	Kajian dan Cadangan bagi Menyelesaikan Isu Trafik (Pemasangan Lampu Isyarat) di Jalan Berhadapan Kompleks Kejuruteraan Sehingga ke Jalan Berhadapan Dataran Cendekia	PEJABAT PEMBANGUNAN INFRASTRUKTUR & INFOSTRUKTUR, Bahagian Infrastruktur, Universiti Teknologi MARA (UiTM)	Researcher	September 2019	October 2019
12.	Finite Element Technique for Modelling of Road Infrastructure Deterioration Caused by Heavy Loading	FRGS	Research Assistant	1 October 2015	30 September 2016
13.	Sustainable Green Construction Infrastructure Model	FRGS	Research Assistant	1 July 2013	30 September 2013

I. **PUBLICATION**

Journals

1. Azmi, H. A., Isa, C. M. M., Mustaffa, N. K., & **Nusa, F. N. M.** (2023). Understanding Design Thinking as an Innovative Approach in Engineers in Society Course from Civil Engineering Student ' s Perceptions. *Construction*, 3(2), 247–253. <https://doi.org/https://doi.org/10.15282/construction.v3i2.9640>
2. **Nusa, F. N. M.**, Ishak, S. Z., Rusli, R., Isa, C. M. M., Manan, M. M. A., & Sulistyono, S. (2023). ROAD CRASH DATA VISUALISATION AND ANALYTICS USING TABLEAU FOR MOUNTAINOUS ROADWAY AREAS IN CAMERON HIGHLANDS, MALAYSIA. *Journal of the Malaysian Institute of Planners*, 21(4), 35–46. Retrieved from <https://www.planningmalaysia.org/index.php/pmj/article/view/1314/994>
3. Malik, M., Rusli, R., **Nusa, F. N. M.**, & Adinegoro, Y. (2023). RISKY BEHAVIOURS AMONG DELIVERY RIDERS AT SIGNALIZED INTERSECTIONS IN MALAYSIA. *Journal of the Malaysian Institute of Planners*, 21(4), 73–85. Retrieved from <https://www.planningmalaysia.org/index.php/pmj/article/view/1314/994>
4. Paimin, A. N., Prpic, J. K., Hadgraft, R. G., & **Nusa, F. N. M.** (2023). Prediction of Academic Performance Based on Learning Orientation : A Mixed Method Study in Malaysia and Australia. *Journal of Technical Education and Training*, 15(1), 288–296. <https://doi.org/https://doi.org/10.30880/jtet.2023.15.01.025>

5. Tarudin, N. F., Adlan, M. A. A., Hanafiah, R. M., **Nusa, F. N. M.**, & Yusoff, Z. M. (2023). THE STRATEGIC HGVS PLANNING PRACTICES FOR SUSTAINABLE GREEN LOGISTICS IMPLEMENTATION. *Journal of the Malaysian Institute of Planners*, 21(1), 100–112. Retrieved from <https://www.planningmalaysia.org/index.php/pmj/article/view/1319/99>
6. Lee, N. S., Tarudin, N. F., Izwan, M., Badrillah, M., **Nusa, F. N. M.**, Latif, A. A., & Anuar, M. M. (2023). VEHICLE NUMBER PLATE STANDARDIZATION : ASSESSING TOWARDS ITS NON-COMPLIANCE. *Malaysian Journal of Computing*, 8(2), 1495–1504. <https://doi.org/10.24191/mjoc.v8i2.20526>
7. Ruslan, R. F. I., Mohamad, M. M., **Mohd Nusa, F. N.**, & Ahmad, A. (2023). The Knowledge and Skill Readiness of TVET Trainee in Construction Program for Green Construction Project Management. *Online Journal for TVET Practitioners*, 8(1), 43–51. <https://doi.org/10.30880/ojtp.2023.08.01.004>
8. Abd Muien, A. H., Abdull Rahman, S. H., **Mohd Nusa, F. N.**, Kamaruding, M. (2023). The Supervisor's Influence on Worker Safety in Construction Projects: A Case Study in Northern Region, Malaysia. *Journal of Sustainable Civil Engineering and Technology*, 2(1), 8–21. <https://doi.org/10.24191/jscet.v2i1.8-21>
9. Ahmad, A. O., Fam, S. F., Wahjono, S. I., & **Nusa, F. N. M.** (2023). TQM practices and ERP system to enhance the UAE DP world innovative work behavior through innovation culture: A review. *Quality - Access to Success*, 24(194), 9–17. <https://doi.org/10.47750/QAS/24.194.02>
10. Amalia, N., Bahari, Z., **F. N. M., Nusa**, M., Farizan Tarudin, N., Mohamad, D., ... Murozi, M. (2022). Factors Contributing To Road Accidents: Case Study of Jalan Seremban-Tampin. *Malaysian Journal of Computing*, 8(1), 1436–1448. <https://doi.org/10.24191/mjoc.v8i1.20518>
11. Alauddin, K., **Nusa, F. N. M.**, Baharuddin, M. N., Rashid, M. S. A., & Ramli, R. R. (2022). the Application of Green Adaptive Reuse of Historical Buildings in Unesco Cities. *Planning Malaysia*, 20(3), 184–195. <https://doi.org/10.21837/PM.V20I22.1137>.
12. Ahmad, A. O., Fam, S.-F., Chuan, Z. L., Wahjono, S. I., **Nusa, F. N. M.**, & Hussein, S. A. (2022). Integration of TQM practices and ERP to enhance innovation culture and innovative work behavior: A proposed framework. *Journal of Positive School Psychology*, 6(3), 4668–4676. Retrieved from <https://mail.journalppw.com/index.php/jpsp/article/view/2667>.
13. Siti Hamidah Abdull Rahman, Musmuliadi Kamaruding, **Fatin Najwa Mohd Nusa**, Syahrin Neizam Mohd Dzulkifli (2022). Strengthening the Development of Safety and Health Guidelines During Post Covid 19

Condition for Construction Site Project. *Journal of Sustainable Civil Engineering and Technology*, 1(1), 9–19. <https://doi.org/10.24191/jscet.v1i1.9-19>

14. Che Maznah, M. I., **Fatin Najwa, M. N.**, Nur Kamaliah, M., Jeffery, L., Sahithi, A. S., & Preece, C. N. (2021). Sustainable Township and Sustainable Home: Public Perceptions. *Journal of the Society of Automotive Engineers Malaysia*, 5(3), 331–347. <https://doi.org/10.56381/jsaem.v5i3.176>
15. **Nusa, F. N. M.**, Maznah, C., Isa, M., Muhamad, M. N., & Muhammad, A. (2021). Driving Instructors' Perceptions of Truck Crash Factors. *International Journal of Road Safety (IJRS)*, 2(2), 109–114. Retrieved from www.ijrs.my
16. Fam, S. F., Huang, J., Chuan, Z. L., Khalil, S. N., Prastyo, D. D., & **Nusa, F. N. M.** (2020). Fuzzy TOPSIS method as a decision supporting system to rank Malaysia online shopping website quality during COVID-19 MCO 2020. *International Journal of Emerging Trends in Engineering Research*, 8(9), 6397–6405. <https://doi.org/10.30534/ijeter/2020/239892020>
17. Mohamad, M. M., Rosli, D. I., Abdullah, Liew, N. H., **Nusa, F. N. M.**, & Ahmad, A. (2020). Student's reflection on environmental conservation: The level of knowledge, attitude, and behavior. *Journal of Critical Reviews*, 7(6), 334–337. <https://doi.org/10.31838/jcr.07.06.58>
18. **Nusa, F. N. M.**, Endut, I. R., Takim, R., & Ishak, S. Z. (2015). Green Highway for Malaysia: A Literature Review. *Journal of Civil Engineering and Architecture*, 9(1), 64–71. doi:10.17265/1934-7359/2015.01.008.

Conference Proceedings

1. **Nusa, F. N. M.**, Isa, C. M. M., Rahman, S. H. A., Tarudin, N. F., Mohamad, N. D., Soffi, N. S. M., ... Preece, C. N. (2023). The challenges of green supply chain management (GSCM) system implementation in civil construction project. IOP Conference Series: Earth and Environmental Science, 1151(1). <https://doi.org/10.1088/1755-1315/1151/1/012011>
2. **Nusa, F. N. M.**, Rahim, M. A. A., Mohamad, N. D., Ishak, S. Z., & Isa, C. M. M. (2023). Identification of road crashes characteristics using data visualization for sustainable campus. *Sustainable Environment, Development, and Energy*, 2983, 030002. <https://doi.org/10.1063/5.0178661>
3. Murozi, A. F. M., Ishak, S. Z., **Nusa, F. N. M.**, Hoong, A. P. W., & Sulistyono, S. (2022). The Application of International Road Assessment Programme (iRAP) as a Road Infrastructure Risk Assessment Tool. 2022 IEEE 13th Control and System Graduate

Research Colloquium, ICSGRC 2022 - Conference Proceedings, (July), 237–242. <https://doi.org/10.1109/ICSGRC55096.2022.9845149>

4. Ishak, S. Z., **Nusa, F. N. M.**, Ahmad, R., & Shafien, S. (2022). The Comparison of Malaysian Real Estate Investment Trusts (M-REITs) and Islamic REITs with China-REITs (C-REITs) and Japan Infrastructure Fund for Railway Infrastructure Development in Malaysia: A Review. 2022 IEEE International Conference on Automatic Control and Intelligent Systems, I2CACIS 2022 - Proceedings, (June), 152–157. <https://doi.org/10.1109/I2CACIS54679.2022.9815484>
5. Shariff, S. S. R., **Nusa, F. N. M.**, Hanizan, H. A., & Taib, M. N. (2022). An analysis of accidents involving public transport along highway. IOP Conference Series: Earth and Environmental Science, 1022(1). <https://doi.org/10.1088/1755-1315/1022/1/012021>.
6. Ibrahim, N., Isa, C. M. M., **Nusa, F. N. M.**, Preece, C. N., & Ghani, M. K. (2021). Significant Factors Influencing Entry Decisions (SEFIED) into International Market. 2021 IEEE 12th Control and System Graduate Research Colloquium, ICSGRC 2021 - Proceedings, (August), 138–143. <https://doi.org/10.1109/ICSGRC53186.2021.9515240>
7. **Nusa, F. N. M.**, Ishak, S. Z., Rahman, S. H. A., Awang, Z., & Mohamad, M. M. (2021). Factors Affecting Motorcyclist Accident: Psychological, Environmental And Vehicle Factors. 3rd MITRANS International Logistics And Transport Conference (MILTC2021), 93–100. <https://doi.org/eISBN 978-967-26054-4-7>
8. Isa, C. M. M., **Nusa, F. N. M.**, Ishak, S. Z., & Fam, S. F. (2021). Impacts of COVID-19 Pandemic on the Road and Transport Sectors using Relative Importance Index. 2021 IEEE International Conference on Automatic Control and Intelligent Systems, I2CACIS 2021 - Proceedings, (June), 305–310. <https://doi.org/10.1109/I2CACIS52118.2021.9495908>
9. Rahman, S. H. A., Faisal, N., Kamaruding, M., & **Nusa, F. N. M.** (2021). Revisiting the critical success factors (CSFs) contributing to a good subcontracting relationship: Analysing Malaysian construction projects. 2021 International Conference on Advances in Civil Engineering and Science Technology: Re-Engineering Cultures of Science and Technology in Creating Sustainable Development Through IR4.0, ICACEST 2021. Retrieved from <https://aip.scitation.org/doi/abs/10.1063/5.0110957>.

10. R., W. N. S., Ishak, S. Z., **Mohd Nusa, F. N.**, & Ahmad, J. (2020). A Study on Advance Stop Line for Motorcyclists At Signalised Intersection in Malaysia. *The 4th Global Research on Sustainable Transport and Logistics (GRoSTLog 2020)*, 861–868. Retrieved from <https://proceedings.itltrisakti.ac.id/index.php/ATLR/article/view/354>
11. **Nusa, F. N. M.**, Hamidah Abdull Rahman, S., Mohammad, M. M., Mat Isa, C. M., & Md Hanafiah, R. (2020). Application of Success Factor Model for Green Highway Projects in Malaysia. *2020 11th IEEE Control and System Graduate Research Colloquium, ICSGRC 2020 - Proceedings*, (August), 220–225. <https://doi.org/10.1109/ICSGRC49013.2020.9232572>
12. Che Nen, A. N., Maznah Mat Isa, C., **Mohd Nusa, F. N.**, & Khairil Izam Che Ibrahim, C. (2020). Complexity Factors during Pre-Construction Stage Affecting Quality Performance in Infrastructure Projects. *2020 11th IEEE Control and System Graduate Research Colloquium, ICSGRC 2020 - Proceedings*, (August), 253–258. <https://doi.org/10.1109/ICSGRC49013.2020.9232566>
13. Rani, N. I. A., Taufiq Razak, **M., Nusa, F. N. M.**, Maznah Mat Isa, C., & Mustaffa, N. K. (2020). Risk Allocation in Construction Projects for Government-Linked Company (GLC). *2020 11th IEEE Control and System Graduate Research Colloquium, ICSGRC 2020 - Proceedings*, (August), 265–270. <https://doi.org/10.1109/ICSGRC49013.2020.9232620>
14. **Nusa, F. N. M.**, Mohamed@Arifin, M. A., Rani, N. I. A., Bakar, A. A., Paimin, A. N., Fen, F. S., & Rahman, S. H. A. (2020). Determinants of Green Highway Implementation Factors by Using Partial Least Squares *5th International Conference on Civil and Environmental Engineering for Sustainability (IConCEES 2019) IOP Conference Series: Earth and Environmental Science PAPER*, 1–8. <https://doi.org/10.1088/1755-1315/498/1/012013>
15. Rahman, S. H. A., **Nusa, F. N. M.**, Md Hanafiah, R., Jusoh, M. Z., Endut, I. R., & Faisal, N. (2020). Antecedents and Consequences of Trust and Satisfaction in Main Contractor and Subcontractor Relationship. *IOP Conference Series: Earth and Environmental Science*, 436(1). <https://doi.org/10.1088/1755-1315/436/1/012024>
16. **Nusa, F. N. M.**, Endut, I. R., & Ishak, S. Z. (2014). Challenges of Green Highway Concept towards Implementation of Green Highway. In *International Conference on Science, Engineering and Built Environment (ICSEBS 2014)* (pp. 5–8). Sanur, Bali Indonesia.
17. **Nusa, F. N. M.**, Nasir, S., & Endut, I. R. (2018). Awareness of Green Highway Concept and Terminology: A Perspective of On-Site Personnel in Malaysian Highway Construction Industry, 475–487.

18. Azmi, E. A., **Nusa, F. N. M.**, & Rahmat, A. K. (2018). Service attributes influencing declining ridership of public rail operation based on passenger experience survey in Klang Valley. *AIP Conference Proceedings*, 2020(October 2018), 5–10. <https://doi.org/10.1063/1.5062652>

Chapter in Book

1. **Mohd Nusa, F.N.**, Mat Isa, C.M., Ishak, S.Z., Endut, I.R. (2023). Challenges, Characteristics, and Success Factors in Implementing Green Highway Using SEM-PLS Model. In: Hashim, U.R., et al. *Green Infrastructure*. Springer, Singapore. https://doi.org/10.1007/978-981-99-7003-2_16
2. L, D., Abdull Rahman, S.H., Mat Isa, C.M., Kamaruding, **M., Nusa, F.N.M.** (2023). Performance Measurement Criteria: Conceptual Framework for Subcontracting Management in the Malaysian Construction Supply Chain. In: Hashim, U.R., et al. *Green Infrastructure*. Springer, Singapore. https://doi.org/10.1007/978-981-99-7003-2_3

Innovation Extended Abstract

1. **Nusa, F. N. M.**, Ishak, S. Z., Isa, C. M. M., Jalil, S. Z. S. A., & Murozi, A.-F. (2023). AN iRAP@HIGHLANDS MODEL FOR ROAD SAFETY STAR RATING (iROSSTAR@HIGHLANDS). Penang International Invention, Innovation, and Design (PIID) 2023 Energizing Sustainable Future Through Social Entrepreneurship & Innovation, (May), 655–661. Retrieved from <https://piid2023.uitmcpp.com>
2. Jalil, S. Z. S. A., Shariff, S. S. R., & Nusa, **F. N. M. (2023)**. A DETECT_ANALYSE HIGH RISK LOCATION FOR ROAD ACCIDENT AT INTER_URBAN EXPRESSWAY (DAHR2). Penang International Invention, Innovation, and Design (PIID) 2023 Energizing Sustainable Future Through Social Entrepreneurship & Innovation, (May), 1030–1034. Retrieved from <https://piid2023.uitmcpp.com>
3. Rahman, S. H. A., Daniel, **Nusa, F. N. M.**, Kamaruding, M., & Isa, C. M. M. (2023). Performance Measurement Criteria for Sub-Contracting Management (SCM_CRITERION) Framework for Malaysian Construction Project. Kolej Pengajian Kejuruteraan.

Quarterly Publication

1. **Nusa, F. N. M.**, Ishak, S. Z. & Harizan, A. H. H. (2021). Jurutera. Active Transportation. The Monthly Buletin of The Institution of Engineers, Malaysia (IEM). Edition of April 2021. Article title: Active Mode of Transport Initiatives Towards Low Carbon Campus: Myth or Reality?. KDN PP 1050/12/2012 (030192). ISSN 0126-9909.

2. **Nusa, F. N. M.,** (2020). Green Highway in the Malaysia Context. MITRANS Quarterly Online. Perpustakaan Negara Malaysia. e-ISSN: 2716 – 6147.

J. **INNOVATION COMPETITION INVOLVEMENT**

1. Penang International Invention, Innovation, and Design (PIID) 2023, Silver Award, AN iRAP@HIGHLANDS MODEL FOR ROAD SAFETY STAR RATING (iROSSTAR@HIGHLANDS).
2. Penang International Invention, Innovation, and Design (PIID) 2023, Silver Award, A DETECT_ANALYSE HIGH RISK LOCATION FOR ROAD ACCIDENT AT INTER_URBAN EXPRESSWAY (DAHR2).
3. Innovation and Invention Challenge in Engineering and Technology 2023 (IICET 2023), Bronze Award, Performance Measurement Criteria for Sub-Contracting Management (SCM_CRITERION) Framework for Malaysian Construction Project.
4. Jejak Inovasi UTeM (2022), Silver Award, e-Calculator: Development of e-Calculator to ease Construction Player in Understanding of Landed Green Residential Cost.
5. International Borneo Innovation Exhibition & Competition (IBIEC 2022), Bronze Award, Power Oryx: Renewable Energy From Pedestrian Sidewalks Toward Global Sustainability.
6. Invention, Innovation and Design Exposition (IIDEX, RIBU), Silver Award, S2WAMSM: Satellite Shallow Water Mapping Solution (2020)
7. Invention, Innovation and Design Exposition (IIDEX, RIBU), Silver Award, KL Rush! (2019)
8. Invention, Innovation and Design Exposition (IIDEX, RIBU), Silver Award, G2R Inventory Management v 1.0 (2019)
9. Invention, Innovation and Design Exposition (IIDEX, RIBU), Silver Award, Klang Valley Journey Board Game (2019)
10. Invention, Innovation and Design Exposition (IIDEX, RIBU), Silver Award, BVDP Vendor Monitoring System (2018)
11. Invention, Innovation and Design Exposition (IIDEX, RIBU), Silver Award, BVDP Vendor Monitoring System (2018)
12. Invention, Innovation and Design Exposition (IIDEX, RIBU), Bronze Award, Malaysia Logistics Index (2018)

K. CONSULTANCY PROJECT INVOLVEMENT

No	Project	Source	Total (RM)	Date Begin	Date End
1.	Bus Customer Experience and Satisfaction Survey Survey: Quarter 4	Prasarana Malaysia Berhad	122,800.00	1 Disember 2023	30 November 2025
2.	Consultant to Facilitate, Analyze and Produce Survey Finding Report for The Customer Experience And Satisfaction Survey (CESS) For 2022 & 2023	Prasarana Malaysia Berhad	488,801.00	1 January 2023	31 December 2023
3.	Testing of Marshall Samples	AG Resources Sdn Bhd	2,400.00	1 March 2022	31 March 2022
4.	Consultant to Facilitate, Analyze and Produce Survey Finding Report for The Customer Experience And Satisfaction Survey (CESS) For 2020 & 2021	Prasarana Malaysia Berhad	475,444.00	15 October 2020	31 December 2021
5.	Pilot Study of Automated Rapid Transit	Mobilus Sdn Bhd	270,000.00	2 January 2020	30 June 2020
6.	Customer Experience and Satisfaction Survey	Prasarana Malaysia Berhad	189,740.60	September 2017	December 2017
7.	Guest Satisfaction Index (GSI) Survey	Prasarana Group Companies	139,877.60	October 2016	December 2016

L. TRAINING PROGRAM INVOLVEMENT

No	Training	Source	Total (RM)	Date Begin	Date End
1.	Geomechanics Tunnel Engineering Short Course	KPK - PKA	2,845.00	March 2023	May 2023
2.	International Road Assessment Programme (iRAP) Workshop	MITRANS - MIROS	3,200.00	23 August 2021	25 August 2021
3.	Professional Certificate in Halal Executive, Public Training	JAKIM - MITRANS	18,050.00	10 August 2020	21 August 2020
4.	Professional Certificate in Halal Executive, Public Training	JAKIM - MITRANS	28,500.00	September 2019	October 2019
5.	Program Latihan Pembangunan Kapasiti Vendor untuk syarikat-syarikat 'anchor' (<i>anchor companies</i>)	Kementerian Pembangunan Usahawan (MED) - MITRANS (Ambilan ke-2)	550,000.00	January 2018	June 2018
6.	Program Latihan Pembangunan Kapasiti Vendor untuk syarikat-syarikat 'anchor' (<i>anchor companies</i>)	Kementerian Perdagangan Antarabangsa dan Industri (MITI) - MITRANS (Ambilan Pertama)	305,000.00	January 2017	December 2017