

CURRICULUM VITAE



Raizal Saifulnaz Muhammad Rashid (PhD, FIEM, PEPC, ACPE)

Professor

Department of Civil Engineering, Universiti Putra Malaysia,
43400 UPM Serdang, Selangor

T: 03-9769 6272 (office)

T: +6019 - 2277734 (mobile)

raizal@upm.edu.my

Education

1. PhD (Structural Engineering), 2008, University of Adelaide
2. B.Eng. (Civil Engineering), 1998, Universiti Teknologi Malaysia

Areas of Interest

1. Structural Rehabilitation
2. Bridge Engineering
3. Composite Structures

Professional Qualification/ Membership/ Affiliation

1. Fellow, Institution of Engineers Malaysia
2. Member, Board of Engineers Malaysia
3. Member, Malaysian Society for Engineering and Technology
4. Member, Akademi Profesor Malaysia
5. Member, International Institute for FRP in Construction
6. Member, American Concrete Institute.

Appointments

Position	Duration
1. Deputy Dean (Academic, Student Affairs and Alumni), Faculty of Engineering, UPM	February 2024 – February 2027
2. Adjunct Professor, Universitas Brawijaya, Indonesia	April 2026
3. Professor, Department of Civil Engineering, Faculty of Engineering, UPM	1 April 2021 – to date
4. Associate Director, Engineering Technology Accreditation Council, Board of Engineers Malaysia	1 June 2022 – 31 May 2024
5. Programme Coordinator, Master of Structural Engineering and Construction	May 2014 – April 2024
6. Associate Professor, Department of Civil Engineering, Faculty of Engineering, UPM	1 Nov 2014 – 31 March 2021
7. Head, Department of Civil Engineering, Faculty of Engineering, UPM	8 Sept. 2014 – Sept 2019
8. Post-Doctoral fellowship at Syracuse University, New York, USA.	June 2011 – July 2013
9. Industry Attachment at Arup Jururunding Sdn Bhd,	July 2009 – July 2010
10. Senior Lecturer, Department of Civil Engineering, Faculty of Engineering, UPM	June 2008 to October 2014
11. Head of Laboratory, Materials Lab, Department of Civil Engineering, Faculty of Engineering, UPM	May 2008 – May 2011
12. Student and Alumni Affairs Coordinator, Department of Civil Engineering, Faculty of Engineering, UPM	January 2008 – June 2010
13. Lecturer, Department of Civil Engineering, Faculty of Engineering, UPM	December 2007
14. Civil Engineer, Pejabat Pembangunan dan Pengurusan Asset, UPM	December 1999 – November 2007
15. Resident Engineer, EDP Consultant Sdn Bhd	Jan – November 1999

Professional Services	
Position	Duration/Appointment
1. Deputy Head, Exploratory and Transformative Grant (GET) Evaluation Panel for Technology and Engineering, Department of Higher Education (JPT).	April 2026
2. Promotion External Assessor Panel, Academic Staff (Associate Professor), Universiti Pertahanan Malaysia	November 2025
3. Promotion External Assessor Panel, Academic Staff (Associate Professor), Universiti Teknologi Petronas	Sept 2025
4. Promotion External Assessor Panel, Academic Staff (Associate Professor), Isra University Amman, Jordan	April 2025
5. Chairman, Working Group, Product Criteria Document for Concrete (SIRIM ECO 065)	April 2025
6. Committee Member, Standard Specification for Bailey Bridge / Steel Modular Bridge, Public Works Department (JKR)	September 2024
7. Head of Delegation, Accreditation Visit, Politeknik Seberang Perai (PSP)	September 2024
8. Mentor, Pre-Fundamental Research Grant Scheme (FRGS) Application, UPM	September 2024
9. Evaluator, Transfer Grade of Fellow, The Institution of Engineers, Malaysia (IEM)	September 2024
10. External Moderator, Civil Engineering Programme, Faculty of Engineering, University Technology Brunei (UTB)	August 2024 – August 2026
11. Promotion External Assessor Panel, Academic Staff (Associate Professor), Universiti Sains Malaysia	August 2024
12. External Examiner, Bachelor of Civil Engineering Programme, Universiti Kebangsaan Malaysia	May 2024 – May 2027
13. Industry Matching Programme (IMaP) Evaluation Committee, Kementerian Pengajian Tinggi & Jabatan Pendidikan Tinggi	May 2024
14. Independent Checker, Self Assessment Report (SAR), Bachelor of Civil Engineering, Universiti Kebangsaan Malaysia.	May 2024
15. Head of Delegation, Accreditation Visit, Politeknik Ungku Omar (PUO)	07 – 09 May 2024
16. Mock Accreditation Visit Panel, Bachelor of Civil Engineering Programme, Universiti Kebangsaan Malaysia	16 – 17 April 2024
17. External Assessor, Doctor of Philosophy and Master, in Civil Engineering Programmes Infrastructure University Kuala Lumpur	April 2024
18. Intellectual Property Evaluation Committee, Putra Science Park, UPM	1 March 2022 – 31 March 2026
19. External Examiner, Master in Construction Management, UiTM Penang.	February 2024

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| 20. External Examiner, Master of Disaster Risk Management, Malaysian – Japan International Institute of Technology (MJIT) | January 2024 – December 2024 |
| 21. External Advisor, Bachelor of Civil Engineering Programme, Universiti Sains Malaysia | December 2023 |
| 22. Member – Steering Committee on Asean Engineering Inspectors (AEI) – Structural and Building Inspectors | November 2023 |
| 23. IEM, Sub Committee member on Malaysian Standards Drafting and Forensic Study | October 2023 |
| 24. IEM, Building Inspection Technical Group member | October 2023 |
| 25. IEM, Civil and Structural Engineering Technical Division member | August 2023 |
| 26. Promotion External Assessor Panel, Academic Staff (Professor), Universiti Kebangsaan Malaysia | August 2023 |
| 27. External Examiner, Master Programme Mixed Mod (Structural Engineering) Universiti Sains Malaysia | July 2023 |
| 28. External member Advisor, Syllabus Review Committee, Civil Engineering, Faculty Engineering and Technology, SGT University, Haryana, India | March 2023 |
| 29. Committee Member, Standard Specification for Road Works Section 13, Bridge Bearing , Public Works Department (JKR) | March 2023 |
| 30. Committee Member, Working Group (WG) 21-11 on Fiber Reinforced Polymer, Jabatan Standard Malaysia | January 2023 |
| 31. Technical Working Group (TWG), National Construction Policy 2030 (NCP2030) | January 2023 |
| 32. External Review Panel for Master of Engineering (Civil), Universiti Tunku Abdul Rahman | November 2022 |
| 33. Panel Academic Programme Assessor, Universiti Tenaga Nasional (UNITEN) | 15 Aug 2017 – 31 Disember 2027 |
| 34. Head of Panel, Bachelor of Engineering (Hons) Civil, Universiti Teknologi MARA, Mock Accreditation. | 25 – 26 May 2022 |
| 35. External Examiner, School of Civil Engineering, Faculty of Engineering, Universiti Teknologi Malaysia | 1 April 2022 – 31 March 2024 |
| 36. Interviewer, Hadiah Latihan Persekutuan, Kementerian Pengajian Tinggi | 28 March 2022 |
| 37. Standing Committee Member, Education Fund Committee, Road Engineering Association of Malaysia (REAM) | 2022 - 2023 |
| 38. FRGS Evaluation Committee, Kementerian Pengajian Tinggi & Jabatan Pendidikan Tinggi | 2020 - 2024 |
| 39. PRGS Evaluation Committee, Kementerian Pengajian Tinggi & Jabatan Pendidikan Tinggi | 2022 -2024 |
| 40. External Assessor, Master of Engineering (Civil) Programme, Universiti Teknologi Malaysia | 2022 - 2024 |



41. National Standard Committee (NSC 2018 – to date
D - Building, Construction and Civil Engineering), Jabatan Standard Malaysia
42. External Assessor, Bachelor of Civil Engineering Programme, Universiti Teknologi MARA 2021 – 2023
43. Panel (ETAC, Interim), Diploma in Construction Engineering Technology (Green Building), Kolej Kemahiran Tinggi MARA, Sri Gading December 2021
44. Panel (ETAC, Interim), Diploma in Civil Engineering, Politeknik Kuching, Sarawak December 2021
45. Panel (EAC, Interim), Bachelor of Engineering (Environmental Engineering), Curtin University of Technology, Sarawak Campus December 2021
46. External Assessor, Diploma of Civil Engineering Programme, Politeknik Sultan Azlan Shah. 14 October 2021
47. Promotion External Assessor Panel, Academic Staff (Professor), Universiti Sains Malaysia 14 July 2021
48. Studies Committee, Faculty of Engineering, Universiti Malaya 26 April 2021
49. Head of Panel, Bachelor of Civil Engineering, City University, Engineering Accreditation Council (EAC) 5 – 6 April 2021
50. Head of Panel (ETAC), Diploma in Engineering Technology Construction (Geo-Structure), KKTU Sri Gading 5 – 6 January 2021
51. External Assessor, Master of Science (Sustainable Infrastructure), Universiti Teknologi Malaysia 4 January 2021
52. ASEAN Chartered Professional Engineer (ACPE) 2020
53. Editorial Board of Advances in Civil Engineering 2020
54. Scientific Committee, Civil Infrastructure and Construction Materials, CICM 2020, Dhaka 2020
55. External Review Panel for Master of Engineering (Civil), Universiti Tunku Abdul Rahman September 2020
56. Chairman, Technical Evaluation Committee 4, Form 5 Civil Engineering Textbook, Ministry of Education Malaysia 07 -12 September 2020
57. External Assessor for Bachelor of Civil Engineering Programme, UniMAP Academic calendar 2020/2021 and 2021/2022
58. Technical Committee on Building Design and Construction, Jabatan Standard Malaysia Jan 2020
59. Building Assessment Lecture, Pejabat Pembangunan dan Pengurusan Aset, UPM 25 Julai 2019

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| 60. Chairman, Technical Evaluation Committee 4, Form 4 Civil Engineering Textbook, Ministry of Education Malaysia | 22 - 27Julai 2019 |
| 61. Audit Evaluation Panel 'Master of Engineering (Civil), Universiti Kebangsaan Malaysia | 10 Julai 2019 |
| 62. Investigation Committee (Disciplinary Committee), Board of Engineers Malaysia | 30 April 2019 – to date |
| 63. Melaka Modern Pig Farming Adaptation (Subject Matter Expert) | 15 February 2019 |
| 64. Head of Panel (ETAC), Diploma In Construction Engineering Technology(Green Energy And Energy Efficient Building), KKTU Sri Gading | 14 – 17 April 2019 |
| 65. Trainer for CIDB CPD Certified Training Program | 28 October 2018 – 27 December 2020 |
| 66. International Standard Committee Member for Building, Construction and Civil Engineering (ISC, SIRIM) | May 2018 – to date |
| 67. External Assessor for Bachelor of Civil Engineering Programme, UniMAP | Academic calendar 2017/2018 and 2018/2019 |
| 68. Second Interviewer for MySET Professional Assessment Examination | 2016 – to date |
| 69. Principal and Second Interviewer for IEM Professional Engineers Assessment | 2017 – to date |
| 70. Head of Panel, Diploma Kejuruteraan Awam (7 Politeknik), Jabatan Pendidikan Politeknik & Kolej Komuniti, Engineering Technology | 4 September – 31 December 2018 |
| 71. Accreditation Council (ETAC) | |
| 72. Panel, Curtin Malaysia, Majlis Akreditasi Kejuruteraan (EAC) | 19 – 20 September 2018 |
| 73. Committee Member, Petugas Pembangunan, UPM | 9 October 2017 – 8 October 2020 |
| 74. Uniform Building By Law Amendments Technical Committee Member (CIDB) | August 2017 |
| 75. Panel, Limkokwing University of Creative Technology (LUCT), Majlis Akreditasi Kejuruteraan (EAC) | 15 – 16 Nov 2017 |
| 76. Panel, Universiti Tunku Abdul Rahman, Kampus Perak (UTAR), Majlis Akreditasi Kejuruteraan (EAC) | 15 Mar 2017 |
| 77. Head of Panel, Programme Accreditation Audit Assessor, Master of Structural Engineering, Universiti Tenaga Nasional (UNITEN) | 28-29 September 2017 |
| 78. Co – Chair, Global Civil Engineering Conference (GCEC 2017) | 25-28 July 2017 |
| 79. Expert Panel Workshop (EPW), Universiti Teknologi Petronas curriculum review for Civil & Environmental Engineering | 4 October 2017 |
| 80. Panel, Jawatankuasa Penjamin Kualiti Item Dwibahasa (JKPKID) LembagaPeperiksaan | 01 June 2017 – 31 December 2018 |
| 81. Building Design and Construction Technical Committee Member (CIDB) | October 2017 – to date |

82. Auditor SETARA 2017, Kementerian Pengajian Tinggi August 2017
83. Trainer for International Malaysia Training (ITMC), Kuala Lumpur November 2016 – to date
84. Engineering Accreditation Council (EAC) Panel (Observer), Monash Universiti 24 - 25 Oct. 2016
85. Invited Lecture on CFRP Strengthening for Reinforced Concrete Structures for Cawangan Kejuruteraan Awam & Struktur, Jabatan Kerja Raya Malaysia, Kuala Lumpur 29 October 2015
86. Committee Member, Penilaian Perunding (JPP), UPM Jun 2015 – to date
87. Exam Questions Moderator, Pengajian Kejuruteraan Awam, Kementerian Pendidikan Malaysia October 2015, November 2016, May 2017, February 2018
88. Committee Member, Review and Update Standard Specification for Road Works, Jabatan Kerja Raya – Section 9 : Concrete Works November 2014
89. Judge for Creative Innovation Technology Competition (CITEC) 2014 13-14 April 2014
90. Final Examination Items Assessor Panel (IPT), Bengkel Penilai dan Pemurnian Item Peperiksaan Akhir Politeknik Kurikulum Baru, JPP, KPM 24 – 26 September 2014
91. Construction Practices Technical Committee Member (CIDB) September 2009 – to date
92. Benchmarking Visit Auditor, Jawatankuasa Panel Audit Kejuruteraan di UTM, Kementerian Pengajian Tinggi 20 Mei 2008

Teaching Experience					
Session	Sem	Course	Code	Level	Credit
2007/2008	2	Structural Analysis II	ECV3204	Undergraduate	(3+0)
2007/2008	2	Capstone Design	KAW3813	Undergraduate	(1+2)
2008/2009	1	Prestress Concrete Design	KAW4214	Undergraduate	(3+0)
2008/2009	2	Structural Analysis II	ECV3204	Undergraduate	(3+0)
2009/2010	1	Reinforced Concrete Structures	KAW5212	Postgraduate	(3+0)
2009/2010	1	Structural Analysis I	ECV3202	Undergraduate	(2+0)
2009/2010	1	Bridge Engineering	ECV4202	Undergraduate	(3+0)
2009/2010	2	Design of Tall Building	ECV4203	Postgraduate	(3+0)
2009/2010	2	Bridge Assessment and Rehabilitation	KAW5112	Postgraduate	(3+0)
2009/2010	2	Structural Analysis II	ECV3204	Undergraduate	(3+0)
2010/2011	1	Bridge Engineering	ECV4202	Undergraduate	(3+0)

2010/2011	1	Structural Analysis II	ECV3204	Undergraduate	(3+0)
2010/2011	2	Design of Tall Building	ECV4203	Undergraduate	(3+0)
2010/2011	2	Bridge Assessment and Rehabilitation	KAW5112	Postgraduate	(3+0)
2010/2011	2	Structural Analysis II	ECC3204	Undergraduate	(3+0)
2013/2014	1	Assessment and Rehabilitation of Structures	ECV4701	Postgraduate	(3+0)
2013/2014	1	Bridge Design and Analysis	ECV4701	Postgraduate	(3+0)
2013/2014	2	Design of Tall Building	ECV4203	Undergraduate	(3+0)
2014/2015	1	Bridge Design and Analysis	ECV5224	Postgraduate	(3+0)
2014/2015	1	Assessment and Rehabilitation of Structures	ECV4701	Postgraduate	(3+0)
2015/2016	1	Bridge Design and Analysis	ECV5224	Postgraduate	(3+0)
2015/2016	1	Assessment and Rehabilitation of Structures	ECV4701	Postgraduate	(3+0)
2016/2017	1	Assessment and Rehabilitation of Structures	ECV4701	Postgraduate	(3+0)
2016/2017	1	Bridge Design and Analysis	ECV5224	Postgraduate	(3+0)
2017/2018	1	Engineer and Society	ECV3001	Undergraduate	(3+0)
2017/2018	1	Assessment and Rehabilitation of Structures	ECV5227	Postgraduate	(3+0)
2017/2018	2	Bridge Design and Analysis	ECV5224	Postgraduate	(3+0)
2018/2019	1	Assessment and Rehabilitation of Structures	ECV5227	Postgraduate	(3+0)
2018/2019	1	Design of Tall Building	ECV5226	Postgraduate	(3+0)
2018/2019	2	Bridge Design and Analysis	ECV5224	Postgraduate	(3+0)
2019/2020	1	Assessment and Rehabilitation of Structures	ECV5227	Postgraduate	(3+0)
2019/2020	2	Bridge Design and Analysis	ECV5224	Postgraduate	(3+0)
2019/2020	2	Assessment and Rehabilitation of Structures	ECV4216 ECV4701	Undergraduate	(3+0)
2020/2021	1	Assessment and Rehabilitation of Structures	ECV5227	Postgraduate	(3+0)
2020/2021	2	Bridge Design and Analysis	ECV5224	Postgraduate	(3+0)
2020/2021	2	Assessment and Rehabilitation of Structures	ECV4216	Undergraduate	(3+0)
2020/2021	2	Engineer and Society (Lab)	ECV3001	Undergraduate	(2+1)
2021/2022	1	Assessment and Rehabilitation of Structures	ECV5227	Postgraduate	(3+0)
2021/2022	2	Assessment and Rehabilitation of Structures	ECV4216	Undergraduate	(3+0)



2022/2023	1	Assessment and Rehabilitation of Structures	ECV5227	Postgraduate	(3+0)
2022/2023	2	Assessment and Rehabilitation of Structures	ECV4216	Undergraduate	(3+0)
2022/2023	2	Bridge Design and Analysis	ECV5224	Postgraduate	(3+0)
2023/2024	1	Assessment and Rehabilitation of Structures	ECV5227	Postgraduate	(3+0)
2023/2024	2	Bridge Design and Analysis	ECV5224	Postgraduate	(3+0)
2023/2024	2	Engineers and Society	ENG3104	Undergraduate	(3+0)
2024/2025	1	Assessment and Rehabilitation of Structures	ECV5227	Postgraduate	(3+0)
2024/2025	2	Bridge Design and Analysis	ECV5224	Postgraduate	(3+0)
2024/2025	2	Engineers and Society	ENG3104	Undergraduate	(3+0)
2025/2026	1	Assessment and Rehabilitation of Structures	ECV5227	Postgraduate	(3+0)
2025/2026	2	Engineers and Society	ENG3104	Undergraduate	(3+0)

Publication

Cited Index Journals (CIJ)

1. A.A.F. Rahim, **Raizal S.M. Rashid**, N. Azizi, B. Yusuf, V.Y. Lei, 2026, Response surface methodology for assessing the involved parameters affecting shear strength of non-stirrup UHPC beams, Multiscale and Multidisciplinary Modeling, Experiments and Design, 9,1-19
2. Sunday U. Azunna, Farah N.A.A. Aziz, **Raizal S.M. Rashid**, Nabilah B.A. Bakar, Tufail Mabood 2025, Finite element analysis of the dynamic response of rubberized geopolymer concrete column subjected to lateral impact using ABAQUS, Structures, 86,1-18
3. B. Rima, F. Hejazi, **Raizal S.M. Rashid**, Arash Rahmatian 2025, Development of a self-rising floodwall system using ultra high-performance fibre reinforced concrete, Structures, 80,1-16
4. Sunday U. Azunna, Farah N.A.A. Aziz, **Raizal S.M. Rashid**, Ernaleza B. Mahsum 2025, Stress–Strain Relationship of Rubberized Geopolymer Concrete with Slag and Fly Ash, Construction Materials, 5,1-40
5. Sunday U. Azunna, Farah N.A.A. Aziz, **Raizal S.M. Rashid** 2025, Axial compression characteristics of rubberized geopolymer concrete column, Progress in Engineering Science, 2,1-18
6. M. A. H. Abdullah, **Raizal S.M. Rashid**, A. Alnutayfat 2025, Determination of the mechanical properties and gamma-neutron shielding effectiveness of ultra-high-performance dense concrete (UHPdC) exposed to high temperatures, Case Studies in Construction Materials, 22,1-21
7. Sunday U. Azunna, Farah N.A.A. Aziz, **Raizal S.M. Rashid** 2025, Review on structural characteristics of reinforced geopolymer concrete, Progress in Engineering Science, 2,1-40
8. N. Ramli, **Raizal S.M. Rashid**, N.A.M. Nasir, Y.L. Voo, N.M. Azreen, J.A. Karim, 2025, Modified ultra-high-performance concrete with boron carbide for neutron and gamma radiation shielding, Construction and Building Materials 467, 1-8
9. Ahmad, N., Idris, M.I., Amran, M., Hussin, A., Abdul Karim, J., Masenwat, N., **R.S.M. Rashid**, Yahya, M.S. 2025, Radiation-Induced Damage to Concrete Biological Shielding Materials: A State-of-The-Art Review, Jurnal Kejuruteraan 37, 97-135
10. Asmadi, M.I.A., Ismail, R., Zakwan, F.A.A., **R.S.M. Rashid**, Zulkifli, S.N.I. 2025, Structural Performance of Cellular Stainless-Steel Beams with Varied Web Hole Diameters Under Fire

- Conditions: Finite Element Analysis and Experimental Insights, Jurnal Kejuruteraan 37, 821-834
11. Saeed, F.H., F. Hejzai, **R.S.M. Rashid** 2025, Mechanical anchorage system in retrofitting of RC slabs using CFRP rods and concrete jacket, Archives of Civil and Mechanical Engineering, 25, 1-27
 12. Ghaedi, K., Javanmardi, A., Ibrahim, Z., **R.S.M. Rashid**, Gordan, M., Khatibi, H. 2025, Experimental parametric study on the effect of diameter and number of bars on the cyclic performance of bar damper, Structures, 72, 1 – 11
 13. Onaizi, A.M., Amran, M., Tang, W., Betoush, N., Alhassan, M., **R.S.M. Rashid**, Yasin, M.F., Bayagoob, K.H., Onaizi, S.A. 2024, Radiation-shielding concrete: A review of materials, performance, and the impact of radiation on concrete properties, Journal of Building Engineering, 97, 1 – 27
 14. F.S. Saeed, F. Hejzai, **R.S.M. Rashid** 2024, Strengthening of reinforced concrete slabs using carbon fiber reinforced polymers rods and concrete jacket with a mechanical anchorage system, Construction and Building Materials, 440, 1 – 24
 15. Sewar, Y., Amran, M., Avudaiappan, S., **R.S.M. Rashid** 2024, Bonding strength performance of bamboo-based composite materials: An in-depth insight for sustainable construction applications, Heliyon, 10, 1-31
 16. **R.S.M. Rashid**, Husin, S.R.S., Lee, W.Y., Yazid, M.A.M., Shukri, A.A. 2024 Carbonation of Bridge Deterioration in High Rainfall Tropical Region, Carbonation of Bridge Deterioration in High Rainfall Tropical Region, Structural Engineering International, 34, 516-523
 17. Abdullah, M.A.H., **R.S.M. Rashid**, Y.L. Voo, N.M. Azreen, H. Ithnin, M.I. Idris 2024, Effect of Colemanite and PVA Fibre in Ultra High Performance Concrete (UHPC) for Radiation Shield, Journal of Engineering and Technology, 15, 17 - 32
 18. Sewar, Y., Amran, M., Avudaiappan, S., Gamil, Y., **Raizal S.M. Rashid** 2024, Bonding strength performance of bamboo-based composite materials: An in-depth insight for sustainable construction applications, Heliyon, 10, 1 - 31
 19. Sunday, U.A., FNA Abd Aziz, Al-Ghazali, N.A., **Raizal S.M. Rashid**, Nabilah A. Bakar 2024, Review on the characteristic properties of crumb rubber concrete, Cleaner Materials, 11, 1 - 33
 20. Sunday, U.A., FNA Abd Aziz, Al-Ghazali, N.A., **Raizal S.M. Rashid**, Nabilah A. Bakar, 2024 Review on the mechanical properties of rubberized geopolymer concrete, Cleaner Materials, 11, 1 - 32
 21. Yip, C.-C., Wong, J.-Y., Amran, M., **Rashid, R.S.M.**, Nehdi, M.L, 2023, Flexural performance of concrete composite metal decking with different base-metal-thickness new smart system, Case Studies in Construction Materials, 19, 1-17
 22. Mahamat Ahmat, A., Johnson Alengaram, U, Fazaulnizam Shamsudin, M., Mahmoud Alnahhal, A., Shazril Idris Ibrahim, M., Ibrahim, S., **Rashid RSM** 2023, Assessment of sustainable eco- processed pozzolan (EPP) from palm oil industry as a fly ash replacement in geopolymer concrete, Construction and Building Materials, 387, 131424
 23. Bakar, M.B.C., **Rashid, R.S.M.**, Amran, M., Jaafar, M.S., R Fediuk, NI Vatin., 2023, Evaluation of the bond-dependent factors for CFRP bars used as structural reinforcement: A critical review, Case Studies in Construction Materials, 18, 1-25
 24. Jayanthi, V., Avudaiappan, S., Amran, M., Prakash, K., Qader, D.N., Delgado, M.C., Flores, E.I.S., **Raizal S.M. Rashid.**, 2023, Innovative Use of Micronized Biomass silica-GGBS as agro- industrial by-products for the production of a sustainable high-strength geopolymer concrete, Case Studies in Construction Materials, 18, 1-14
 25. K Ghaedi, A Javanmardi, Z Ibrahim, M Gordan, **RSM Rashid**, H Khatibi, R Vaghei, Experimental and numerical studies on the cyclic performance of structural frames equipped with bar dampers 2023, Structures, 50, 707-722
 26. **Rashid, Raizal S.M.**, Husin Sharifah R.S., Lee Wei Y., Yazid, Mohammad A.M., Shukri, Ahmad Azim 2023, Carbonation of Bridge Deterioration in High Rainfall Tropical Region, Structural Engineering International, 1-8
 27. Zakaria, N.A., Ismail, R., Zakwan, F.A.A., Ahmad, H., Rosle, M.F., Hashim, M.H.M, **Raizal S.M. Rashid**, 2023, Numerical Investigation of Fully Confined RC Column with Carbon Fiber

- Reinforced Polymer when Expose to Fire, Physics and Chemistry of the Earth, vol. 129, 103335
28. Loganina, V., Fediuk, R., Lesovik, V., Amran, M., Qader, D.N., Litvinets, O., Okhotkina, V., **Raizal S.M. Rashid**, Lomov, M., Moskovaya, I., 2023, Evaluation of Some Composite Paint Coatings' Appearance Quality Using Fractal Dimension, Journal of Composites Science, vol. 7(1), 1-9
 29. Jayanthi, V., Avudaiappan, S., Amran, M., Prakash, K., Qader, D.N., Delgado, M.C., Flores, E.I.S., **Raizal S.M. Rashid**, 2022, Innovative Use of Micronized Biomass silica-GGBS as agro-industrial by-products for the production of a sustainable high-strength geopolymers concrete, Case Studies in Construction Materials, in press
 30. Amran, M., Lesovik, V., Tolstoy, A., Fediuk, R., Rusinov, R., Rusinova, N., Qader, D.N., Mohammed Kachalla, M., **Raizal S.M. Rashid**, 2022, Properties and Performance of Polypropylene Fibered High-Strength Concrete with an Improved Composite Binders, Case Studies in Construction Materials, vol. 17, e01621
 31. Abdullah, M.A.H., **Raizal S.M. Rashid**, B., Amran, M., Hejazi, F., Azreen, N.M., Fediuk, R., Voo, Y.L., Vatin, N.I., Idris, M.I, 2022, Recent Trends in Advanced Radiation Shielding Concrete for Construction of Facilities: Materials and Properties, Polymers, vol. 14(14), 2830
 32. Chakrawarthy, V., Dharmar, B., Avudalappan, S., Amran, M., Flores, E.S., Alam, M.A., Fediuk, R., Vatin, N.I., **Raizal S.M. Rashid**, 2022, Destructive and Non-Destructive Testing of the Performance of Copper Slag Fiber-Reinforced Concrete, Materials, vol. 15(13), 4536
 33. Amran, M., Onaizi, A.M., Fediuk, R., Vatin, N.I., **Rashid, R.S.M.**, Abdelgader, H., Ozbakkaloglu, T., 2022, Self-Healing Concrete as a Prospective Construction Material : A review, Materials, Vol 15(9), 3214
 34. Abu Sosain MA, **Rashid Raizal SM**, El-Zaedani M, 2022, Numerical Investigation of CFRP-strengthened Circular Concrete Columns under Transverse Impact Loading, Jordan Journal of Civil Engineering, vol. 16, pp 307 - 319
 35. M Amran, SS Huang, S Debbarma, **RMR Rashid**, 2022, Fire Resistance of Geopolymer Concrete: A Critical Review, Construction and Building Materials, vol. 324, pp 1-26
 36. Soh, W.S., Rashid Raizal S.M., Amran M, Alengaram U.J., 2022, Structural Behavior of Piles Under Vehicular Collision Load on Bridge Substructure – A Case Study, Case Studies in Construction Materials, Vol. 16, pp 1- 22
 37. Bakar M.B.C, **Muhammad Rashid R.S.**, Amran M, Saleh Jaafar M, Vatin N.I., Fediuk R., 2022, Flexural Strength of Concrete Beam Reinforced with CFRP Bars: A Review, Materials, Vol. 15, pp 1-21
 38. M. Amran, HS Abdelgader, AM Onaizi, R Fediuk, T Ozbakkaloglu, **Raizal SM Rashid**, G Murali, 2022, 3D-printable alkali-activated concretes for building applications: A critical review, Construction and Building Materials, Vol 319, pp 1-24
 39. Mubarak M, **Muhammad Rashid RS**, Amran M, Fediuk R, Vatin N, Klyuev S, 2021, Mechanical Properties of High-Performance Hybrid Fibre-Reinforced Concrete at Elevated Temperatures, Sustainability, Vol 13(23), pp 1-17
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Seminar/Conference/Lecture (Keynote Speaker)

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Seminar/Conference/Lecture (Invited Speaker)

2. Invited speaker, Shear capacity of fiber reinforced polymer strengthened reinforced concrete beams at the 72th NYSATE Conference. 23-25 May 2012. Syracuse, New York.
3. Invited lecture on CFRP Strengthening for Reinforced Concrete Structures, Cawangan Kejuruteraan Awam & Struktur, Jabatan Kerja Raya Malaysia, 2015 Kuala Lumpur
4. Invited speaker, Assessment and Structural Integrity of existing building in Malaysia, Seminar Keutuhan Bahan 2018, Agensi Nuklear Malaysia, Hotel Cititel Midvalley, Kuala Lumpur.
5. Invited speaker, Condition Assessment of the Deteriorated Reinforced Concrete Bridge: Jambatan Sg. Senduk Hulu, Jambatan Sg. Cheh and Jabatan Sg. Bukit Gantang, PIARC International Seminar On Towards Advanced Technology & Material In Bridge Engineering 2019, Sunway Putra Hotel, Kuala Lumpur
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10. Invited speaker, Seminar on Non-Destructive Testing in Civil Engineering, 2022, Agensi Nuklear Malaysia.
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10. Haider M. Al-Jelawy and Kevin R. Mackie (2019), Durability and Failure Modes of Concrete Beams Strengthened with Polyurethane or Epoxy CFRP, Structures
11. Muhammad Usman Hanif, Zainah Ibrahim, Khaled Ghaedi, Huzaifa Hashim, Ahad Javanmard (2018), Damage assessment of reinforced concrete structures using a model-based nonlinear approach – A comprehensive review, Construction and Building Materials
12. R. Yu, L. van Beers, P. Spiesz, H.J.H. Brouwers (2018), Impact resistance of a sustainable Ultra-High Performance Fibre Reinforced Concrete (UHPFRC) under pendulum impact loadings, Construction and Building Materials
13. 2017, Experimental Study of Concrete Prepared With Fine Recycle Aggregate and Treated Coarse Recycle Aggregate, Journal of Materials and Structural Integrity
14. A. Masood, M.M. Alam, A. Umar, M. Shariq and A. Haiyan (2016), Behavior of confined high strength concrete at elevated temperature, Computers and Concrete, An International Journal
15. Yaman Al-Kamaki and Riadh Al-Mahaidi (2016) Strength model for heat-damaged RC circular columns confined with CFRP fabrics, Journal of Reinforced Plastics and Composites.
16. Jiangtao Yu, Yanning Xu, Jing Chen, Thomas L. Attard (2015), A Preliminary Study to Enhance the Ductility of Near-Surface Mounted CFRP Strengthened RC Beam, Journal of Composites for Construction
17. Amir Mofidi, Omar Chaallal, Lijuan Cheng and Yixin Shao (2014), Investigation of Near-Surface Mounted Method for Shear Rehabilitation of Reinforced Concrete T-Beams using CFRP Rods, Journal of Composites for Construction
18. Omar I. Abdelkarim, Mohamed A. ElGawady (2014). Finite Element Modelling of FRP-Concrete-Steel Double-Skin Tubular-Column. Journal of Bridge Engineering.
19. Y. Ye, Z. X. Guo and L. Chai (2013). Flexural behaviour of stone slabs reinforced with prestressed NSM CFRP bars. Journal of Composites for Construction.
20. El-Hacha, R. And Oudah, F. (2013). Post-Fatigue Monotonic Behavior of RC Beams Strengthened with Prestressed NSM CFRP Strips: Ductility Evaluation. Journal of Composites for Construction.
21. Detection of Multiple cracks in a Finite Element RC beam model using Local Stiffness Indicator. (2008) Institute of Engineers Malaysia.
22. Jaafar, M.S., Wong, N.J., Noorzaei, J. And Thanoon, W.A. (2008). Modelling of precast concrete composite slab using finite and interface elements. Pertanika Journal of Science & Technology

Journals and Books Reviewer(Non-Cited)

1. 2020, Normal Concrete Mix Design Based On The Isoresponse Of Slump As A Function Of Specific Surface Area Of Aggregate And Cement Paste-Aggregate Ratio, International Journal of Technology
2. S. A. Al-Ta'an and R.N. Wadie (2010). Flexural Strength of Steel Fibrous Reinforced Concrete Beams. The 4th World Engineering Congress on 2-5 August, 2010 in Kuching, Malaysia.
3. J. R. Al-Feel and M. Abdul Aziz (2010). Fresh and Hardened properties of self-compacted concrete using Lime-Stone Dust or Clinker waste powder at different curing conditions. The 4th World Engineering Congress on 2-5 August, 2010 in Kuching, Malaysia.

4. O.A. Alawad, A.R. Al-Hozaimy, M.S. Jaafar, A.A.Al-Neghemish and J.Noorzaei (2010). Characterization of Pozzolan Materials used as Partial cement replacement: A review. The 4th World Engineering Congress on 2-5 August, 2010 in Kuching, Malaysia.
5. S. A. Al-Ta'an and A. A. Mohammed (2010). Tensile Strength and Behaviour of Single Short Headed Anchors in Steel Fibrous Concrete. The 4th World Engineering Congress on 2-5 August, 2010 in Kuching, Malaysia.
6. Rozaina Ismail, Azlan Adnan and Azmi Ibrahim (2010). Vulnerability of Public Buildings in Sarawak subjected to Earthquake by Finite Element Modeling. The 4th World Engineering Congress on 2-5 August, 2010 in Kuching, Malaysia.
7. Trade Liberalization and Environmental Sustainability in Malaysia, 7th Conference on Sustainable Agriculture for Food, Energy and Industry in Regional and Global Context 2015
8. Utilization of Agricultural Waste in Polymer Composites, 7th Conference on Sustainable Agriculture for Food, Energy and Industry in Regional and Global Context 2015.
9. Penerbit UPM, Steel Design Based on Eurocode 3, 2015
10. Dewan Bahasa dan Pustaka, Buangan Kelapa Sawit Bernilai Tinggi, 2018.
11. C. L. Oh, M. Z. Mohd Raizamzamani, Y. Norrul Azmi, C. H. Goh, S. W. Lee, Experimental Work on Flexural Strength of SCC Beams Containing Eggshell, Green Technology and Sustainable Development 2018
12. T. Jena, K. C. Panda (2018), Strength and Sorptivity of Concrete Using Fly Ash And Silpozz In Marine Environment, Journal of Engineering Science and Technology
13. Tongyuan Ni, YANG Yang, Chunping Gu, Jintao LIU, CHEN Jin and Xiaotian Lou (2019), Early-Age Tensile Basic Creep Characteristics of High Strength Concrete Containing Admixtures, Advances in Civil Engineering
14. Prof. Dr Nasir Shafiq, Investigating The Functional Characteristics Of A Hybrid Mixture Of Graphene And Graphene Oxide Nanoplates As An Additive In The Geopolymer Paste For Protecting The Offshore Structures (2019), UTP RMC Grant Proposal.

Research Grant				
Principal Investigator				
No	Project Title	Amount (RM)	Year	Source of Fund
1.	Investigation on Fiber Reinforced Polymer Plated Structures	30,000	2009-2011	RUGS
2.	Research University Grants Scheme			
2.	Flexural and Shear Capacity of Fiber Reinforced Polymer Strengthened Reinforced Concrete Structures	50,000	2009-2011	FRGS
3.	Investigation of CFRP Strengthened RC Columns under Humid and Elevated Temperature Conditions	93,000	2013-2015	FRGS
4.	Development of New Analytical Model for Carbon Fiber Reinforced Polymer Strengthened Reinforced Concrete Circular Columns Under Humidity and Temperature Exposure	122,000	2015-2017	Geran Putra Berimpak
5.	Shape Memory Alloy (SMA) Application in Retrofit and Strengthening Circular Hollow Reinforced Concrete Column	14,800	2016-2018	Geran Putra Inisiatif Siswazah
6.	Elastomeric Rubber Bearing Using Carbon Fiber Reinforced Polymer As Alternative To Steel Plate For Earthquake Isolation	20,000	2016-2018	Geran Putra Inisiatif Siswazah

7.	Development of Smart Structural Strengthening Technique Using Shape Memory Alloy (SMA)	99,980	2017-2019	Geran Putra Berimpak
8.	Circular FRP (Fiber Reinforced Polymer) Seismic Elastomeric Bearings Fitted With Shape Memory Alloy Wire	50,000	2018-2020	Geran Putra
9.	Research attachment: North Carolina State University (NCSU)	21,320	2018	Geran Kolaborasi
10.	Inspection Procedures for Better and Efficient Building Maintenance in UPM	54,500	2018-2019	Geran Isu Semasa
11.	Determination of Large Diameter Carbon Fiber (CF) Anchor Capacity	4,150	2019-2020	Geran Kolaborasi Antarabangsa (Syracuse University)
12.	A Novel Strength Parameters Study of Shape Memory Alloy as Smart Retrofitting Technique for Circular Bridge Column.	116,200	2020-2022	FRGS
13.	Flexural Performances Of Precast Concrete Beam Reinforced With Carbon Fibre Reinforced Polymer (CFRP) Rebars	25,000	2020-2023	Geran Putra Inisiatif Siswazah
14.	Prediction of Damage Behavior of Fiber Reinforced Concrete Slab Subjected to Impacts Load	15,957	2020-2021	Geran Antarabangsa (Sudan University of Science and Technology)
15.	Flexural behaviour of precast concrete beam reinforced with modified smooth CFRP bars	120,000	2024 - 2026	Geran Putra Berimpak
16.	Assessment of neutron irradiation damage inborated Ultra High-Performance Concrete(UHPC)	154,000	2024 - 2026	Dana Penyelidikan Padanan Antarabangsa (MyPAIR)
17.	Adjunct Professor Collaboration : Flexural Behaviour of Precast Concrete Beam Reinforced with Modified Smooth CFRP Bars	Rp 90,000000.00 (RM 20,500)	2026	Geran Antarabangsa (Universitas Brawijaya)

Co-Researcher

No	Project Title	Amount (RM)	Year	Source of Fund
1.	Formulation of Partially Prestressed Concrete Frame Elements Subjected to Dynamic Loads	93,800	2015-2017	FRGS
2.	Development and Construction of the First World Internet Transmission Tower Using Ultra High Performance Concrete	1,370,231 (UPM received 100,000)	2015-2016	Technofund (MOSTI)
3.	Investigation Of Out-Of-Plane Buckling Of Slender Reinforced Concrete Shear Wall Designed In Non-Seismic Region	60,000	2016-2018	Geran Putra Inisiatif Putra Muda
4.	Rubber Wall Damper Device For Framed Structures Subjected To Dynamic Loads	420,800	2017-2019	Geran Putra Pembangunan Inovasi

5.	Strength characterization of the CFRP confined circular reinforced concrete column under high temperature (PI : UiTM)	61,400	2018-2020	FRGS
6.	Constitutive modeling of reinforced concrete circular columns strengthened with shape memory alloy strips (PI : UiTM)	63,500	2018-2020	FRGS
7.	Vibration Damper Research and Testing For Re-Gasification Terminal Sungai Udang (RGTSU)	193,430	2020-2021	Petronas Technical Services Sdn Bhd (PTSSB)
8.	Research & Development of Piping Vibration Quick Solutions	197,300	2020-2021	Petronas Technical Services Sdn Bhd (PTSSB)
9.	Structural And Construction Assessment And Forensic Studies For Cendana Apartments, Rawang	168,590	2020-2022	Mahsing Group Company
10.	Moment-Curvature Model of Reinforced Concrete Beam Strengthened with Shape Memory Alloy (SMA)	100,985	2021-2023	FRGS
11.	Articulating the Enhancement of Seismic Load-Moment Interaction Capacity in RC Columns using SMA Strips under Concentric and Eccentric Loads	106,200	2024-2026	FRGS
12.	Analytical Prediction Model for Moment-Curvature Relationship of Corroded Reinforced Concrete (RC) Beams Strengthened with Smart Hybrid Strips	89,500	2024-2026	FRGS

Patent/Copyright

No	Patent Number	Product
1.	MY-168334-A	Elastomeric Isolator using multilayer CFRP Rubber Bearing as an alternative to steel plates.
2.	AR2020003562	Modern Pig Farming Model (MPF)
3.	MY – 199588	A Multipurpose Viscous Damper
4.	MY – 193156	A Wal Damper
5.	MY – 194966	A Volumetric Compression Restrainer
6.	MY – 194967	A Viscoelastic Bracing Damper

Memorandum of Understanding (MoU)

No	Parties	MoU
1.	UPM - JKR	Kerjasama Strategik Dalam Bidang Kejuruteraan Forensic Struktur (2021 – 2026)
2.	UPM – KA Bina	KA Bina Consultancy Group Sdn Bhd (2024 – 2029)

Awards/Recognition					
No.	Name of awards	Title	Award Authority	Award Type	Year
1.	2000 Excellence in Service	-	UPM	University	2001
2.	2001 Excellence in Service	-	UPM	University	2002
3.	2002 Excellence Award in Service	-	UPM	University	2003
4.	PhD scholarship, University of Adelaide, Australia. (for UPM, Non – Academic Staff)	-	UPM	University	01/06/2003 – 01/01/2007
5.	2008 Excellence in Service	-	UPM	University	2009
6.	2008 Excellence Award in conjunction with Appreciation and Quality Day, Engineering Faculty, UPM	-	UPM	University	2009
7.	2009 Excellence Award in conjunction with Appreciation and Quality Day, Engineering Faculty, UPM	-	UPM	University	2010
8.	Silver Medal (Co-Researcher)	Development of Numerical 3D Finite Element Code F to Simulate Structural Response of Reinforced and Prestressed Concrete Bridges	UPM Invention, Research and Innovation 2010 Exhibition	University	20-22 July 2010
9.	2010 Excellence in Service	-	UPM	University	2011
10.	2010 Excellence Award in conjunction with Appreciation and Quality Day, Engineering Faculty, UPM	-	UPM	University	2011
11.	Award for Post-Doctoral fellowship in Syracuse University, Syracuse,	-	Ministry of Higher Education (MOHE)	National	2011
12.	2011 Excellence Award in conjunction with Appreciation and Quality Day, Engineering Faculty, UPM	-	UPM		2012

14.	Gold Medal (Co-Researcher)	The FEM program for Analysis of RC Structure with Prestress Elements	Creative Invention in the International Engineering Invention and Innovation Exhibition UPM	International University	2016
15.	2016 Excellence in Service	-	UPM	University	2017
16.	2015 Excellence in Service	-	UPM	University	2016
17.	2016 Excellence in Service	-	UPM	University	2017
18.	2017 Excellence in Service	-	UPM	University	2018
19.	2018 Excellence in Service	-	UPM	University	2019
20.	Silver Medal (Co-Researcher)	Ipoh International Summit on Professionalism, Research and Education (INSPIRED 2019)	Ipoh International Summit on Professionalism, Research and Education (INSPIRED 2019)	International	2019
21.	2019 Excellence in Service	-	UPM	University	2020
22.	Anugerah Setia Putra		UPM	University	2020
23.	MOSTI Best Innovation Award Best Category Award, Gold Medal (Co-Researcher)	Malaysia Technology Expo, The International Expo on Innovation and Technology (MTE2021).	Malaysia Technology Expo, The International Expo on Innovation and Technology (MTE2021).	International	2021
24.	Best Paper Award	International Symposium On Blast And Impact Resistant Materials For Civil Engineering (SBIRMCE) 2021	Universiti Pertahanan Malaysia	International	2021
25.	2020 Excellence in Service	-	UPM	University	2021
26.	2021 Excellence in Service	-	UPM	University	2022



27.	2022 Excellence in Service	-	UPM	University	2023
28.	2023 Excellence Award in Service	Professor Category	UPM	University	2024
29.	2024 Excellence Award in Service	-	UPM	University	2025
30.	2025 Excellence Award in Service	-	UPM	University	2026
31.	Anugerah Penyelidik Cemerlang, Geran Penyelidikan.	Professor Category	Faculty	Faculty	2026

Consultation					
No	Year	Title	Authority	Amount	
1.	2009	Cadangan Menaiktaraf Bangunan Sedia Ada 'Supercritical Fluid-SFC' Fakulti Sains dan Teknologi Makanan, Universiti Putra Malaysia	Universiti Putra Malaysia	-	
2.	2009	Projek Menaiktaraf Dewan Makan Kolej Pendeta Zaaba, Universiti Putra Malaysia.	Universiti Putra Malaysia	-	
3.	2009	(Industry Attachment for Professional Engineer at Arup Jururunding Sdn Bhd) Geotechnical and Structural Assessment to Property on Lot 331 Seksyen 14 at Jalan 51A/223 Petaling Jaya, Selangor Darul Ehsan (Subaru 3S Center)	Subaru Malaysia	-	
4.	2009	(Industry Attachment for Professional Engineer at Arup Jururunding Sdn Bhd) Design and planning for upgrade works of Sultan Abdul Samad Building for Ministry of art and culture Kuala Lumpur	Ministry of Art and Culture Kuala Lumpur	-	
5.	2009	(Industry Attachment for Professional Engineer at Arup Jururunding Sdn Bhd) Design a Private Hospital on Lot PT 17482, Desa Parkcity, Mukim Batu, Wilayah Persekutuan, Kuala Lumpur for Sime Darby Medical Center Sdn. Bhd	Sime Darby Medical Center Sdn. Bhd	-	
6.	2010	Concrete Compressive Strength and X-Ray Diffractometer (XRD) tests for Malaysian Institute of Road Safety Research (MIROS)	Malaysian Institute of Road Safety Research (MIROS)	RM 10,000.00	
7.	2017	Melaksanakan Kerja Merekabentuk, Membina dan Menyiapkan Kerja Membaiki Kerosakkan Struktur Lantai di Gudang Baja Felcra Berhad, Pelabuhan Klang, Selangor.	FELCRA BERHAD	RM2,030,000	

8.	2018	Structural Storage Design for Extraction Pilot Plant related to Integrated Modular Palm Oil Milling Processes for High Oil Recovery Research Project.	Universiti Putra Malaysia	-
9.	2019	Pemeriksaan Keselamatan Struktur Perpustakaan Sultan Abdul Samad (PSAS) UPM..	Universiti Putra Malaysia	-
10.	2020	Galvanised Iron Gutter Thickness Testing.	IJM Land Berhad	RM1,500.00
11.	2020	Vibration Damper Research and Testing For Re-Gasification Terminal Sungai Udang (RGTSU) (Member)	Petronas Technical Services Sdn Bhd (PTSSB)	RM193,430.00
12.	2020	Research & Development of Piping Vibration Quick Solutions (Member)	Petronas Technical Services Sdn Bhd (PTSSB)	RM197,300.00
13.	2020	Structural And Construction Assessment And Forensic Studies For Cendana Apartments, Rawang (Member)	Mahsing Group Company	RM168,590.00
14.	2022	Forensic Investigation of Building Structural Element System at Sekolah Agama AT-Toyyibah.	Adrian Technology Resources	RM3,000.00

Student Supervision

PhD (Main Supervisor)

No.	Name	Title	Status
1.	Mohd Basri Che Bakar (GS55299)	Flexural Performances Of Precast Concrete Beam Reinforced With Carbon Fibre Reinforced Polymer (Cfrp) Rebars	Graduated
2.	Obaidullah Abdul Qayyum (GS60747)	Strength Parameters Study of Shape Memory Alloy as Smart Retrofitting Technique for Circular Bridge Column.	On-Going
3.	Benidir Rima (GS56816)	Design Rc Structure With Uhpfrc Material According To Performance Based Design Method	Submitted
4.	Al Radhi Yazeed Abdulmalek Mohammed (GS58162)	Modular Cold Formed Steel Structural Dynamic Behaviour With Anit Vibration Device	On-Going
5.	Ziyaee Navid (GS59373)	Development Of Isolated Slabs As Tuned Mass Damper System For Structures	On-Going
6.	Godarzi Neda (GS59403)	Health Monitoring Of Vibration Dissipation Systems In Structures	Graduated
7.	Abdulhafedh Salah Ahmed Abdulwahab (GS59555)	Development Of Hybrid Triple Friction Pendulum Isolator With Restrainer Damping System.	On-Going
8.	Yazan Jasim Dawood (GS59780)	Development Of Hybrid Rubber Viscoelastic Isolator Damping System For Structure	On-Going

9.	Sadeghi Adel (GS59912)	The Effect Of Vertical Component Of Earthquake On Base Isolation	Submitted
10.	Saeed Firas Hassan Saeed (GS60367)	Using UHPFRC To Strengthen The Existing Structures Of Reinforced Concrete Members	Submitted
11.	Ziaee Mohammad (GS61115)	Development of the Visco-Elastic Frictional Dampers Under Harmonic Excitation	On-Going
12.	Muhd Afiq Hizami Abdullah (GS58628)	Durability Of Ultra High Performance Dense Radiation-Shielding Concrete At Elevated Temperature With Barite, Colmanite And Polyvinyl Alcohol	Graduated
13.	Abdulateef Wisam Safaa Abdulateef (GS58425)	Optimization Of Adaptive Control Systems For Structures Subjected To The Dynamic Loads	Graduated
14.	Ruqayyah Ismail (GS41885)	Behaviour Of Reinforced Concrete Circular Hollow Column Strengthened With Carbon Fibre Reinforced Polymer (Cfrp) And Shape Memory Alloy (SMA)	Graduated
15.	Mugahed Yahya Hussein Amran (GS35979)	Determination Of Structural Behavior Of Precast Foamed Concrete Sandwich Panel	Graduated

PhD (Co-Supervisor)

No.	Name	Title	Status
1.	Azunna Sunday Ugochukwu (GS67063)	Material Characteristics And Structural Application Of Crumb Rubber Geopolymer Concrete	On Going
1.	Kolothum Thodika Azoom (GS53874)	Development Of Seismic Resistant Joint For The Modular Steel Structures	On Going
2.	Jehanzeb Khan Patha (GS56397)	Development Of Design Process For Bridges With Supplementary Rubber Damper Devices	On Going
3.	Shah Syed Jahanzaib (GS56853)	Seismic Assessment Of Structures According To Performance Based Design Method	On Going
4.	Aljburi Najad Amer Ayyas (GS54992)	Development Of An Optimization Method For Structural Damper Devices According To Performance Based Design Method	Graduated
5	Mohd Ridzuan Bin Mohd Ali (GS41884)	Performance Of Viscous Plane Damper With Box Barrel As A Vibration Dissipation Device	Graduated
6.	Tan Kar Chu (GS54288)	Development Of An Innovative Metal Core Elastomeric Bearing	Graduated
7.	Mahmood Yahya Alkhateer (GS49028)	The Retrofitting And Rehabilitation Of (Beam, Column, Joint) Using CFRP Rod And Concrete Jacketing Subjected To Dynamic	Graduated



8.	Nima Ostovar (GS49982)	Development Of Rubber Buckling Restrained Bracing (R-BRB)	Graduated
9.	Altalabani Diyar Nasih Qader (GS54068)	Seismic Performance Of Inter-Story Isolation Tunnel Form Building Structures Using Lead-Plug Rubber Bearings	Graduated
10.	Balamurugan a/I A Gopal (GS45049)	Shear Strength Of Steel Reinforced Ultra High Performance Concrete Dry And Epoxy Joints For Segmental Girder	Graduated
11.	Doaa Talib Hashim (GS44858)	Performance Of Bolted Connection In Ultra High Performance Fiber-Reinforced Concrete Communication Tower	Graduated
12.	Sarah Jabbar Gatea (GS46013)	Development Of Optimized Damage Prediction Method For Health Monitoring Of Ultra High Performance Fibre-Reinforced Concrete Communication Tower	Graduated
13.	Anwer Sabah Mekki (GS36869)	Microwave Sensor For Rebar Sensing In Non-Destructive Tests	Graduated
14.	Shahriar Shahbazpanahi (GS19917)	Simulation Of Cracks Propagation Of Reinforced Concrete Beam-To-Column Joint With Frp Strengthening In Flexural And Shear Region	Graduated
15.	Nisreen N. Ali Al-Adnani (GS28524)	Structural Health Monitoring And Damage Detection For Composite Panel Structures Via Statistical Analysis	Graduated
16.	Mohammad Panjehpour (GS26480)	Development Of Strut-And-Tie Model For Carbon Fiber Reinforced Polymer Strengthened Deep Beams	Graduated
17.	Omid Kohnhepooshi (GS18725)	Nonlinear Three-Dimensional Finite Elements For Composite Concrete Beams	Graduated

MS with Thesis (Main Supervisor)

No.	Name	Title	Status
1.	Ahamadi Ali (GS63750)	Analysis Of Multi Span Bridge Responses, Equipped With Different Types Of Dissipation Systems Under Near Fault And Long Period Motion	On - Going
2.	Noor Azreen bin Masenwat (GS44025)	Quality Control Of Ultrahigh Performance Concrete As Radiation Shielding With Mixture Of High Density Mineral	Graduated
3.	El-Zeadani Mohamed Hassan Hamad	Mechanics Based Solutions For Determining The Deflection And Moment Capacity Of RC Beams And Adhesively Plated RC Beams	Graduated
4.	Behzad Nematollahi (GS26016)	Structural Behavior And Environmental Impact Of Precast Ultra-High Performance Ductile Concrete Cantilever Retaining Walls	Graduated

MS with Thesis (Co-Supervisor)

No.	Name	Title	Status
1.	Azarkerdar Arash (GS53465)	Development Of Analytical Model For Bonding Of Cfrp Rod In Concrete Subjected To Dynamic Load	Graduated
2.	Shahnaz Basim Ali (GS42134)	Effects Of CFRP On Reinforced Conventional Concrete And Ultra High Performance Concrete Frames	Graduated
3.	Sadegh Naserkhaki (GS24899)	Pounding Between Adjacent Buildings In Consideration Of Soil Structure Interaction	Graduated

PhD Thesis (Internal Examiner)

No.	Name	Title
1.	Fayyadh Nahal Kamil Fayyadh (GS50491)	Development Of Hybrid Rubber-Concrete Isolation Slab System For 3d Vibrations
2.	Alvin Poi Wai Hoong (GS42877)	Effects Of Road Development, Income Inequality And Economic Growth On Private Vehicles Ownership Growth
3.	Nadeem Gohar (GS52862)	Flexible Self-Locking Intermodular Connection For Prefabricated Modular Steel Buildings
4.	Abdalmohaimn Imad Mohammed (GS47142)	Strength Recovery And Healing Efficiency Of Cement-Based Materials Containing Autogenous Healing Binders And Autonomous Encapsulated Healing Agents
5.	Sheikh Mohd Iqbal Bin S. Zainal Abidin (GS47353)	Enhancement Of Knee Beam-Column Joint Performance Using Hybrid Fiber-Reinforced Concrete
6.	Zaty Aktar binti Mokhta (GS40426)	Modelling Tsunami Bore-Induced Pressures On Various Seawall Types
7.	Woon Kai Siong (GS42020)	Development Of High Damping Rubber Joint For Precast Beam-Column Connection Under Cyclic Loads
8.	Sani Mohammed Bida (GS45203)	Structural Behaviour Of Precast Concrete Sandwich Panel With High Thermal Efficiency
9.	Ammar Nasiri Hanoon (GS38703)	Modified Strut-And-Tie Models For Reinforced Concrete Deep Beams With Externally Bonded CFRP Systems
10.	Farzad Hejazi (GS17486)	Development Of Earthquake Energy Dissipation System In Reinforced Concrete Frame Buildings
11.	Nor Azizi Safiee (GS17282)	Structural Behavior Of Interlocking Mortarless Putra Block Wall System
12.	Peyman Ghatee (GS15709)	Development Of Modified Performance-Based Design Method For Shear Walls Subjected To Near Field Earthquake Excitation



Master Thesis (Internal Examiner)

No.	Name	Title
1.	Samira Jilani Kojouri (GS18940)	Seismic Assessment And Strengthening Of Existing Residential Reinforced Concrete Buildings
2.	Choy Wai Kent (GS20614)	Structural Behavior Of Strengthened Interlocking Load-Bearing Hollow Block Wall With Opening Subjected To Axial And Seismic Loads
4.	Parviz Moradi Pour (GS20617)	A Numerical Time Integration Method For Nonlinear Seismic Response Analysis Of Roller-Compacted Concrete Dams
5.	Mehran Kouchaknezhad (GS18628)	Causes Of Delay In The Building Construction Industry In Major Cities Of Iran
6.	Sanusi Saheed (GS32128)	Flexural And Shear Behaviour Of Lightweight Expanded Polystyrene Precast Concrete Half-Slab
7.	Heshmatollah Abdi (GS35470)	Response Modification Factor For Steel And Reinforced Concrete Structures With Viscous Dampers
8.	Munirah binti Mohd Ramly (GS31156)	Strength Of Reduced-Size Mortarless Interlocking Putra Load Bearing Hollow Block System
9.	Soheil Nikpour Khoshkroudi (GS39228)	Development Of Divergent Viscous Wall Damper For Framed Structures Under Dynamic Loading
10.	Mukaddas Ahmad Musa (GS37116)	Durability Performance Of Rubberised Fibre Mortar
11.	Shahad Dawood Salman (GS38388)	Flexural Behaviour Of Rubberised Self-Compacting Ferro Cement
12.	Gyang Lazarus Dachollom (GS55039)	Development Of Ultra High Performance Fiber-Reinforced Concrete Barge For Wind Turbine

PhD Thesis (External Examiner)

No.	Name	Title	University
1.	Md Habibur Rahman Sobuz	The Manufacture and Compressive Ductility of Ultra-high Performance Fiber Reinforced Concrete	University of Adelaide
2.	Fatemeh Nateghi	Development of a Hybrid Decision Support System for Assessment of Significant Environmental Aspects Associated with Demolition Activities	UTM
3.	Farahbod Mohammadi	Development of a Hybrid Safety Risk Assessment Decision Support System for Demolition Projects	UTM
4.	Abdullah Zaid Mohammed Zaid (2010511327)	Internal Arching Action Within Top Deck Slabs Of A Box Girder	UiTM

5.	Ean Lee Woen (PE20370)	Development of Bricks Utilizing reservoir Sediments	UNITEN
6.	Ashok Kumar	Experimental Investigation on Strength of Geopolymer Concrete Paver Block	Dr. MGR Educational & Research Institute University
7.	Tianyu Xie	Behaviour of High-and- Ultra-High Performance Fibre Reinforced Concrete Flexural Members	University of Adelaide
8.	Chin Chee Loong	Confinement Mechanisms in Concrete Partially Confined with Pre-Tensioned Steel Under Compression	UTM
9.	Muhammad Sani Lim Abdullah	Examination and Mitigation of Factors Causing Delays and Cost Overruns During the Construction of a Palm Oil Refinery Project in Malaysia	UTP
10.	Shinde Sumant Nivarutti	Structural Investigation of Steel Fiber Impregnated Reinforced Concrete Composite	Savitribai Phule Pune University
11.	Makwana Mahesh Maganlal	Development of optimal engineering properties for precast structural concrete products made of recycled concrete aggregate An innovative and sustainable material technology approach	Savitribai Phule Pune University
12.	Hamdi Abdulrahman Saif Salem	Bond Strength and Cracking Behaviour of Reinforced High Calcium Fly Ash Geopolymer Concrete Prism	UTM
13.	Surendra B.V.	Study of Affordable Roofing System	Visvesvaraya Technology University, Belagavi
14.	Abdul Rahman Mhd Adnan Al Hayek (PE20827)	Life Prediction of Pultruded Glass Fiber Reinforced Polymer Subjected to Flexural Creep and Elevated Temperature.	UNITEN

Master Thesis (External Examiner)

No.	Name	Title	University
1.	Ratni Nurwidayati (2010511327)	An Empirical Approach to Simulate the Concrete Softening Mechanism in RC Members	University of Adelaide
2.	Aminuddin Jameran	Mechanical Properties of Fibre Reinforced Concrete Exposed to Elevated Temperature	UTM
3.	Ahmed Farid Mahmoud Saleh Oweida	Experimental Evaluation of the Effects of Clay and Wood Sawdust on the Mechanical Properties of Cement-Sand Bricks	UNITEN



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|----|---|--|--------|
| 4. | Praveen A/L
Regunathan
(SC21952) | Development of an optimal mix design of the
polluted concrete treated with waste yeast
and calcium oxide | UNITEN |
| 5. | Chiew Shing Mei Sani | Biaxial behaviour of steel fiber reinforced
concrete | UTM |
| 6. | Muhammad Fikril Azim
bin Abdul Sani
(MRS183002) | Bond Strength Behaviour of Fly Ash and
Ground Granulated Blast Furnace Slag of
Geopolymer Concrete | UTM |

PhD Examiner Committee UPM

No.	Name	Title	Category
1.	Mohamed Meftah Hasan BenZair (GS52443)	Stone Mastic Asphalt Mixtures With Waste Polyethylene Terephthalate As Aggregate Replacement	Chairman
2.	Yuan Qinglie (GS57528)	Multi-Scale Automatic Building Extraction And Detection From Remote Sensing Imagery And Lidar Data Based On Deep Learning Models	Chairman
3.	Al-Dabbagh Yasir Abdulameer Nayyef (GS50317)	Desertification Assessment And Prediction Using Machine Learning And Analytic Hierarchy Process For Al-Khidhir District, Southern Iraq	Chairman
4.	Wisam Dheyab Khalaf (GS46330)	Carbonated Alkali-Activated Olivine With Glass Fiber For Soil Stabilization	Chairman
5.	Ng Choy Peng (GS30097)	Relative Improvements In Road Mobility Compared To Improvements In Road Accessibility, Urbanization And Economic Growth	Chairman
6.	Anijiofor Sandra Chinenyenwa (GS43361)	Adsorption And Biodegradation Of Pollutants From Livestock Wastewater By Aged Refuse Bioreactor	Chairman
7.	Lew Yoke Lian (GS24457)	Development Of Integrated Criteria For Selection And Monitoring Of Subcontractors In Malaysia	Chairman
8.	Al-Dabbagh Yasir Abdulameer Nayyef (GS50317)	Desertification Assessment And Prediction Using Machine Learning And Analytic Hierarchy Process For Al-Khidhir District, Southern IRAQ	Chairman

Master Thesis Examiner Committee UPM

No.	Name	Title	Category
1.	Abbas Solouki (GS27653)	Effect Of Blending Process On Rheological And Volumetric Properties Of Asphalt Binder	Chairman



2. Suhaimizi bin Yusoff (GS34085) Gold Potential Mapping Using Bivariate And Multivariate Statistical Models In Gis At Gua Musang, Malaysia Chairman

MS without Thesis (Main Supervisor)

No.	Name	Title	Status
1.	Ayinla Nafiu Yokoti (GS47959)	Fire rating assessment to CFRP strengthen RC beam	Graduated
2.	Roziana Mahmood (GS18567)	Improving Intermediate Crack Debonding Resistance Equation of Externally Bonded and Near Surface Mounted Plate to Concrete Joint	Graduated
3.	Mohd Zuwairi Samsudin (GS37447)	Humidity Effects on Reinforced Concrete Strengthened with CFRP	Graduated
4.	Alireza Payesteh (GS34930)	Thermal Expansion in Circular Reinforced Concrete Column Strengthened with CFRP	Graduated
5.	Tok Yee Lei (GS37218)	Behavior of Bracing and Braced Core System in Curve Tall Buildings Frames Under Wind Loads	Graduated
6.	Mohammed Keiss Ali (GS36531)	Compressive Membrane Action in Box Ginder Segment	Graduated
7.	Saroosh Abbasi (GS34405)	Humidity Effect on Reinforced Concrete Beam Strengthened with CFRP	Graduated
8.	Mohd Zawawi Zakaria (GS37233)	Structures Assessment, Rehabilitation and Reconstruction	Graduated
9.	Azmi Mohammad (GS35448)	Earthquake Elastomeric Isolation System Using Multilayer CFRP Rubber Bearing As An Alternative to Steel Plate	Graduated
10.	Nadia Binti Azmi (GS37350)	Comparison between BS5400 (BD37/01) and EUROCODE CEN1991-1 and EN1991-2)	Graduated
11.	Tan Ee Leng	Blast Resistance Of High-Rise Building Structures	Graduated
12.	Hussein Ahmed	Investigation of Optimum Size of Core Structure with Cantilever Beam System	Graduated
13.	Amin Ali Ali (GS38412)	Finite Element Modeling of Behavior of Sea Sand RC Beam Strengthened with GFRP	Graduated
14.	Ebrahim Abdulmalek Al-Qaliss (GS37867)	Pile Cap Analysis and Design	Graduated
15.	Tan Yee Pin (GS38746)	Utilizing shape memory alloys to enhance the performance and safety of civil infrastructure	Graduated
16.	Mustafa Kareem Hamzah (GS40017)	Structural behaviour of repaired beam-column joints reinforced with superplastic shape memory alloys	Graduated

17.	Hazem Mahmood Yaseen (GS38913)	Static behaviour of end plate beam column connection under temperature using finite element method	Graduated
18.	Hamdi Abdulrahman Saif (GS38034)	Lateral load resistance of bridge column and piers under flexure and shear load.	Graduated
19.	Kaldon Hussain (GS38740)	Assessment and design of FRP-based high damping rubber bearing incorporated with shape memory alloy wires/fibres	Graduated
20.	Shahrizal Bin Abd Rasid (GS42996)	Study on application of ultra-high performance concrete (UHPC) to the pontoon structure	Graduated
21.	Laith Nasser Hussain (GS40836)	Analysis of flexural RC Beam with FRP bars.	Graduated
22.	Chao Yuen Sun (GS40646)	Advantages and Disadvantages of Prefabricated Prefinished Volumetric Construction (PPVC) in Comparison to Conventional Building Method. (Connection).	Graduated
23.	Azriani Binti Makbul@Makhsoll (GS40152)	Structural health monitoring on damage using sensors	Graduated
24.	Sri Maryazie Bt Mohamad Nor (GS43626)	Fire Rating Assessment to CFRP Strengthen RC Beam.	Graduated
25.	Mohd Eizzuddin Mahyeddin (GS43500)	Structural Behaviour And Water Penetration of Concrete Wrapped With Carbon Fibre Reinforced Polymer (CFRP).	Graduated
26.	Wong Chien Chan (GS43953)	Compressive Strength Analysis of Concrete Cylinder Actively and Passively Confined	Graduated
27.	Mustafa Yahya Ahmed Al-Shami (GS41664)	Effect of CFRP-Passive Confinement on Reinforced Concrete Hollow Column Strength Enhancement	Graduated
28.	Saddam Mansour Ali Ankaa (GS43015)	Evaluation of various tendon layout in post tensioning flat slab	Graduated
29.	Ahmed Abdulrhman Ahmed Al Sharafi (GS40831)	Specifying the best position of bearing in straight box girder beam based on reactions	Graduated
30.	Abdulwali Yahia Yahia Al Wazir (GS40832)	Investigating stability of superstructure (uplift) due to curvature in various radius and superelevation for curved box girder bridge	Graduated
31.	Lim Teck Huat (GS45632)	Effects of Base Connection for Precast Wall on Seismic Performance of IBS Structures	Graduated
32.	Al- Hakam Al Doori Finas Younus (GS51609)	Determination of large diameter Carbon Fiber Reinforced Polymer (CFRP) fan anchors capacity	Graduated
33.	Maysa Adel Hasan Abu Susain (GS53688)	Experimental and numerical investigation of CFRP Strengthening concrete columns under impact load	Graduated
34.	Bareq Muayad (GS49550)	Study of Precast Foamed Concrete Sandwich Wall Panel Behaviour under Horizontal Distribution Load.	Graduated
35.	Muhamad Aziman Abdul Malek (GS51082)	Behavior of bridge substructures under vehicular collision load and its effect on pile capacity	Graduated

36	Fuad Khaled Alwashali (GS49923)	Localize deterioration of RC bridge beam: What went wrong.	Graduated
37	Zukhairi Md Redzuan (GS49276)	Investigation of residual strength of deteriorated RC bridge.	Graduated
38	Lee Wei Ying (GS49435)	Deterioration of RC bridge beam due to environment attack	Graduated
39	Sharifah Rafizah Binti Syed Husin (GS49649)	Field test in assessing cause of RC concrete deterioration	Graduated
40	Ibrahim Hassan Abdillahi (GS49649)	Digital image correlation analysis of crack behavior in a reinforced concrete beam during a load test.	Graduated
41	Edmund Tiew Siew Jun (GS50773)	Predicting load carrying capacity reduction of deteriorated RC bridge beam deteriorated RC bridge beam	Graduated
42	Mohd Sainuzi Abdullah (GS55303)	Evaluation of Residual Capacity Deteriorated Reinforced Concrete Structure	Graduated
43	Siti Noreena Mohd Yusof (GS55701)	Structural Condition Assessment of Reinforced Concrete Structure Based on Chemical and Non – Destructive Test (NDT)	Graduated
44.	Saja Saber Abdulwahhab (GS58264)	Validation of A Developed Procedure of Moment Redistribution for Flexural Strengthening of RC Beam with Adhesively Externally Bonded CFRP using ABAQUS	Graduated
45.	Kanita Foo Chai (GS62299)	Assessment of Fire-Affected Reinforced Concrete Building	Graduated
46.	Ting EE Chuen (GS61751)	Effects of Construction Sequence on Secondary Moment in Continuous Prestressed Concrete Bridge	Graduated
47.	Rahmah Abdul Halim (GS59972)	Structural Assessment of A Deteriorated Reinforced Concrete Building in Kuala Terengganu	Graduated
48.	Farah Haifa Shahnun Affandy	Application of Borated Concrete for Radiation Shielding	Graduated



Bachelor Project (Main Supervisor)

No.	Name	Title	Status
1.	Wan Nur Aida Wan Zainal (2008/2009)	Prestressed FRP Plates for Flexural Strengthening of Reinforced Concrete Beams	Graduated
2.	Song Kok Rong (2008/2009)	Portal Frame Behaviour Due to Soil Settlement	Graduated
3.	Normarina Bashah (2008/2009)	Prestressed FRP Plates for Shear Strengthening of Reinforced Concrete Beams	Graduated
4.	Liew Chean Yau (2008/2009)	Methods on how to Demolish Prestressed Structures	Graduated
5.	Ho Hon Wei	Investigate the Behaviour of Externally Prestressed Beams	Graduated
6.	Hajar Abu Bakar (2008/2009)	Prestressed FRP Plates for Flexural Strengthening of Reinforced Concrete Beams	Graduated
7.	Tan Kok Haur	Development of Rapid Precast Bridge Construction System	Graduated
8.	Pavithra A/P Lachmanan (2009/2010)	Earthquake : Do Malaysian Structural Engineers Take for Granted	Graduated
9.	Ooi Kee An (2009/2010)	Tunnel : How to Build One	Graduated
10.	Mohd Firdaus Samsudin (2009/2010)	Investigation on Fiber Reinforced Polymer (FRP) Strengthened Structure Resistance Towards Explosions	Graduated
11.	Liew Mun Fei (2009/2010)	Industrial Building System : Advantages and Disadvantages towards Structural Engineer	Graduated
12.	Faidhil Mohamad	Wind Load Effects on High Rise Building	Graduated
13.	Wan Suhaili Wan Abdul Rahman (2010/2011)	Fiber Reinforced Polymer Strengthening for Earthquake Prone Building	Graduated
14.	Nabila Rossley (2010/2011)	Wind Load Effect on High Building : Wind Interaction with Built Environment	Graduated
15.	Izyan Nazihah Nor Azman (2010/2011)	Modeling of Integral Prestressed Concrete Beam using StaadPro. Universiti Putra Malaysia	Graduated
16.	Amirah Abdul Malek (2013/2014)	Assessment and Rehabilitation of Structures at Faculty of Engineering, Universiti Putra Malaysia.	Graduated
17.	Low Jue Jiunn	Fiber Reinforced Polymer usage in Malaysia	Graduated
18.	Loke Heng Hwa (2014/2015)	Visual Inspection on Engineering Faculty Buildings	Graduated
19.	Ho Kah Seng	Moment Redistribution of CFRP plated beams	Graduated
20.	Liu Junxin (2015/2016)	Plate End Debonding Mechanism	Graduated
21.	Mohamed Hassan Hamad El-Zeadan (2015/2016)	Structural Strengthening using anchorage and hinge approach	Graduated
22.	Terrance Ng Lok Mun (2016/2017)	Non-destructive Evaluation for concrete structures	Graduated

23.	Amira Syamila Atira Kamarudin (2017/2018)	Non-destructive Concrete Characterizations System for concrete structures	Graduated
24.	Anas Mohammed Mohammed Ali (2017/2018)	Partial Interaction Analysis of CFRP Plate Strengthen RC Beam	Graduated
25.	Yang Ming (2018/2019)	Digital image correlation analysis of crack behavior in a reinforced concrete beam during a load test	Graduated
26.	Soh Wei Siang (2020/2021)	Piles structural behaviour under vehicular collision load on bridge substructure	Graduated
27.	Muhammad Hakim Bin Samsol Badron (2021/2022)	Investigation of Large Diameter Carbon Fiber Reinforced Polymer (CFRP) Fan Anchors Capacity	Graduated
28.	Muhammad Asyraf Bin Nasar Khan (2021/2022)	Structural Behaviour of Kevlar Fiber Reinforced Concrete Beams	Graduated
29.	Bashar Abdullah Mohammed Ba Wazir (2021/2022)	Impact resistance of beam strengthen with Carbon Fiber Reinforced Polymer	Graduated
30.	Liu Zian (2022/2023)	Mechanical Simulation of the Passive Confinement of Reinforced Concrete Column	Graduated
31.	Muhammad Munir Aiman Bin Mohd Taufik (2022/2023)	Structural analysis of a three-storey building for rehabilitation.	Graduated
32.	Muhammad Afiq Abdullah Sani (2023/2024)	Crack Propagation and Deformation on Reinforced Concrete Beam using Digital Image Correlation	Graduated
33.	Alnabhani Mohammed Ahmed Abuzied (2023/2024)	Structural Assessment With Digital Image Correlation (Dic)	Graduated



Student Internship (Supervisor)

No.	Session	Name	Company
1.	2007-2008	Leonard Goh Chia Ning	Intellectual Builders Sdn. Bhd.
2.	2007-2008	Catherine Tan Poh Phin	Intellectual Builders Sdn. Bhd.
3.	2007-2008	Thanasegaran Sukumaran	Maju Gemilang Builders Sdn. Bhd.
4.	2007-2008	Muhammad Izzuwan Ghazali	HST Consulting Engineer
5.	2008-2009	Farhana Ismail	Northport (Malaysia) Bhd.
6.	2008-2009	Ng Kien Ping	Tripoly Enviroment Sdn. Bhd.
7.	2008-2009	Nik Mohd. Haniff Nik Hamid	Arup Jururunding Sdn. Bhd.
8.	2009-2010	Foo Shyh Hua	Chemi-com (M) Sdn. Bhd.
9.	2009-2010	Randall Chirng Chern Zhin	Megasteel Sdn Bhd
10.	2009-2010	Sek Kei Rol	Dr. Y.G. Tan Jurutera Perunding Sdn. Bhd.
11.	2015-2016	Avinaash A/L Subramaniam	JKR Wilayah Persekutuan Putrajaya
12.	2016-2017	Mussab Elzubair Mohamad Ali	AZS Ali Zaher El-Shehry, Saudi Arabia
13.	2016-2017	Alharbi, Haitham Muslih A Ali	Tawafuq Alamal, Saudi Arabia
14.	2017-2018	Nur Afiqah Nabilah Abu Bakar	Dr Nik and Accociates Sdn Bhd
15.	2017-2018	Ummi Amira Rashid	Dr Nik and Accociates Sdn Bhd
16.	2018-2019	Abd Raheem Maruff Oriyomi	Bakraz Consult
17.	2018-2019	Ahmad Mohamed Gasim	Al-Joudah Contracting (Zahiran Group of Companies)
18.	2020-2021	Nur Asyikin Samsudin	YL Design Consultancy Services
19.	2020-2021	Angeli Nagi Anak Jarayee	YL Design Consultancy Services
20.	2020-2021	Syed Muhammad Syuwari Syed Yahya	YL Design Consultancy Services
21.	2020-2021	Nazurah Afiqah Nadzli	ON-9 Engineering Sdn Bhd
22.	2020-2021	Nurul Nadiah Iskandar	ON-9 Engineering Sdn Bhd
23.	2021-2022	Nur Hidayah Ahmad Hapez	Setiakon Builders Sdn Bhd
24.	2021-2022	Muhammad Akmal Hanif Mohd Zuki	Ibarat Duta Sdn Bhd
25.	2021-2022	Nur Qamarina Abdul Wahab	Setiakon Builders Sdn Bhd
26.	2022-2023	Muhammad Afiq Abdullah Sani	Perbadanan Putrajaya
27.	2022-2023	Mahmood Safi Jumaa	Almataf General Contracting and Maintenance Company

Student Development

No.	Activity	Year
1.	National Competition in Engineering and Innovation 2008. Floating Tower Competition. (Civil Engineering Student Club, CESC)	2008
2.	International UTM Bridge 2009 Model Competition. (Civil Engineering Student Club, CESC)	2009
3.	Lawatan Tapak ke Integrated Transport Terminal Bandar Tasik Selatan. (Civil Engineering Student Club, CESC)	2009
4.	The Institute of Structural Engineers. Build and Break Competition 2009. (Civil Engineering Student Club, CESC)	
5.	Civil Games (Civil Engineering Student Club, CESC)	2010
6.	The Institute of Structural Engineering Malaysia Division : Half day talk. (Civil Engineering Student Club, CESC)	2010
7.	Logo Design Competition. (Civil Engineering Student Club, CESC)	2010
8.	Civil Bowling Tournament. (Civil Engineering Student Club, CESC)	
9.	Introducing and Demomstrating Earthquake Engineering Research in School (IDEERS) Competition. (Civil Engineering Student Club, CESC)	2010
10.	Assessment and Rehabilitation (ECV4701) subject Site Visit to Klinik Kesihatan 3 Kota Damansara	2014
11.	Technical Visit to Nanyang Technical University Singapore on Water Resources Management	2015
12.	Tall Building Design (ECV5226) subject site visit to Kuala Lumpur City Center, KLCC	2018
13.	Technical visit to Agensi Nuklear Malaysia on Non-Destructive Test (NDT) equipment and assessment.	2018-2023
14.	Technical visit to Masjid Negara for structural repair and rehabilitation works. (JKR)	2022
15.	Technical visit to Putrajaya International Convention Center (PICC) for structural repair and rehabilitation works. (Perbadanan Putrajaya)	2023
16.	And many other student development initiatives undertaken during my appointment as Deputy Dean.	2024 – to date