

# CURRICULUM VITAE



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## ACADEMIC QUALIFICATION

1. Ph.D. in Civil Engineering (2009), Universiti Teknologi Malaysia, Johor
2. M. Eng. Project Management (2004), The University of Melbourne, Australia
3. B. Eng. (Civil – Construction Management) (2003), Universiti Teknologi Malaysia, Johor

## AWARDS AND HONOURS RECEIVED

1. 3 December 2018 – Recipient of Best Paper Award at The 4<sup>th</sup> International Conference on Applied Science and Technology (ICAST 2018), Phuket, Thailand for the paper “Managing Multi Criteria Contractor Selection for Public Construction Projects in Malaysia”
2. 19-22 November 2018 – Scholarship recipient for Erasmus + workshop participant on “Role of Case Studies in Effective Teaching and Learning” by University of Economics Ho Chi Minh City, Vietnam
3. 8 November 2018 – Recipient of Gold Medal at the International Innovation and Invention Competition 2018 in Taipei, Taiwan from 1 product of “Framework of Knowledge Management Practice in Construction Industry”
4. 7 November 2018 – Recipient of Award on Excellence for Active Blended Learning Course in Semester 2 2017/2018 for the course “ERSA1233: Current Topics in Project Management”
5. 22 September 2018 - Recipient of recognition letter for the upgrade/election to Chartered Engineer from Institution of Engineering and Technology (IET) UK during IET Prestige Lecture Annual Dinner and Award Night 2018 (PLAD 2018)
6. 1 September 2018 - Recipient of 2 Gold Medals and 1 Special Award at the 3rd International Invention Innovation Competition in Canada (iCAN 2018) in Toronto, Canada from 2 products of “Critical Success Factor of Readiness towards Change Management in the Malaysian Public Organisation” and “Framework of Sustainability Implementation Assessment for Higher Education Institutions in Malaysia”
7. 12 August 2018 – Recipient of 2 awards i.e. Special Award and Gold Award at the Korea Creative Invention Contest (CiC 2018) in Seoul, South Korea from a product of “Sustainable Construction Indicators Framework for Malaysian Contractors”
8. 12 August 2018 – Recipient of 2 awards i.e. Special Award and Gold Award at the Korea Creative Invention Contest (CiC 2018) in Seoul, South Korea from a product of “Change Management Readiness Framework for Malaysian Public Organisation”
9. 21 April 2018 – Recipient of Presidential Award of Excellence by The Institution of Engineers, Malaysia (IEM)

10. 22 March 2018 – Scholarship recipient for Swiss-ASEAN Learning and Teaching (SALT) Pre-Conference Workshop from 27 – 29 June 2018 at the University of Applied Science and Art, Northwestern Switzerland
11. 1 September 2017 – 28 February 2018 – Granted fellowship of CEO@Faculty Programme 2.0: Coached by the Pro by Ministry of Higher Education (only 53 were selected throughout Malaysia) that aims to develop future Malaysian Higher Learning Institution leaders
12. 29 November 2017 – Recipient of 2 Gold Medals at the International Innovation and Invention Competition 2017 in Taipei, Taiwan from 2 products of “Framework of Turbomachinery Project Critical Success Factors (CSFs)” and “Multi Criteria Contractor Selection Framework for Construction Projects”
13. 3-4 June 2017 – Recipient of Gold Award at the 3<sup>rd</sup> World Invention Innovation Contest (CiC) from a product of “Framework of Project Management Key Performance Indicators”
14. 15 April 2017 – Recipient of Presidential Award of Excellence by The Institution of Engineers Malaysia (IEM)
15. 4 April 2017 – Recipient of 2 Best Paper Awards at International Conference on Applied Science and Technology, Langkawi, Kedah, Malaysia
16. 30 March 2017 – present – Selected as exclusive member of Leadership Talent Pool under the Academic Leadership Talent Management (ALTM) initiative of Universiti Teknologi Malaysia to be strategically groomed as the future UTM leaders
17. 28 December 2016 – Recipient of Blended Learning Award of Level 5 of UTM for 2015/2016 session
18. 15 December 2016 – Recipient of Best Research Supervisor Award at UTM RAZAK School Citra Karisma, UTM Kuala Lumpur
19. 11 August 2016 – Recipient of Gold Medal Award and Special Award of Asia Inventors Association (AIA) at the 3<sup>rd</sup> Korea Creativity Invention Contest (CiC)
20. 24 May 2016 – Recipient of Medal of High Honours on Devotion to the Community Services (*Penganugerahan Pingat Darjah Kebesaran Bintang Kebaktian Masyarakat*) from the Government of Cambodia
21. 25 May 2016 – Scholarship recipient for Swiss-ASEAN Learning and Teaching (SALT) Pre-Conference Workshop from 25 – 28 May 2016 at the University of Applied Science and Art, Northwestern Switzerland
22. 31 May 2016 – Recipient of the Excellence and Appreciation Award 2015 during the Excellence and Appreciation UTM Day (CITRA KARISMA) 2015
23. 5 January 2016 – Scholarship recipient for CommTECH Camp Insight 2016, ITS Surabaya, Indonesia 25 Jan - 3 Feb 2016
24. 22 December 2015 – Awarded the status of Professional Engineer with Practising Certificate from Board of Engineers Malaysia (BEM) together with the designatory letter of P.Eng.
25. 14 December 2015 – Recipient of the World Scientist Award (WSA) 2015 by Korea Invention News with two products of “Accurateness of Work Programme Analysis (AWPA) Simulation” and “Framework of Successful Closing of Final Account” for the awards of:
  - a. World Creative Innovation and Science Grand Award
  - b. World Science and Technology Grand Award
26. 14 December 2015 – Nominated as the recipient of the World Inventor Award Festival (WIAF) 2015 by Korea Invention News with two products of “Accurateness of Work Programme Analysis (AWPA) Simulation” and “Framework of Successful Closing of Final Account” for the awards of:
  - a. Construction Order of Merit
  - b. Transportation Order of Merit
  - c. Industry Order of Merit

27. 22 February 2014 - Recipient of "Leading Innovation Award" at Malaysia Technology Expo 2014, Putra World Trade Centre (PWTC) organised by International Intellectual Property Network Forum (IIPNF)
28. 22 February 2014 – Recipient of "Honour of Invention: Highway and Transportation" at Malaysia Technology Expo organised by World Invention Intellectual Property Association (WIIPA)
29. 13 December 2014 - Recipient of the World Inventor Award Festival (WIAF) 2014 for Civil Engineering Order of Merit by Korea Invention News with a product of "Final Account Framework"
30. 17 September 2014 - Awarded 2 Silver Medals in the International Innovation, Design and Articulation (i-IDEA 2014) Competition organised by Universiti Teknologi MARA (UiTM), Arau, Perlis with two products of "A Master Plan for Implementation of Sustainable Enterprise Resource Planning Systems" and "Balanced Score Card of Final Account Closing for Construction Project"
31. 18 September 2014 - Nominated for Malaysian Construction Industry Excellence Award (MCIEA 2013) under the category of "Innovation Award" by the Construction Industry Development Board (CIDB), Malaysia
32. 28 April 2014 - Awarded Silver Prize in the International Engineering Invention and Innovation Exhibition (i-ENVEX 2014) organised by Universiti Malaysia Perlis (UniMaP) with a product of "Accurateness of Work Programme Analysis (AWPA)"
33. 14 December 2013 - Recipient of the World Inventor Award Festival (WIAF) 2013 for Construction Order of Merit by Korea Invention News in 2013 with a product of "Final Account Success Measures"
34. 3 July 2012 - Nominated as finalist for "Indexed Journal Author Award" during the Excellence and Appreciation UTM Day (UTM Quality Day) 2012
35. 3 July 2012 - Nominated for UTM Intellectual Property Award 2012 during the Excellence and Appreciation UTM Day (UTM Quality Day) 2012
36. 4 October 2013 - Short-listed in the 15<sup>th</sup> Industrial Art and Technology Exhibition (INATEX 2013) of UTM with the product of "Framework of Final Account Closing for Construction Project"
37. 5 December 2012 - Awarded The Best Researcher for Patents Granted 2012 by Construction Research Alliance (RA) UTM
38. 5 December 2012 - Awarded The Best Research Group for Research Grant Procurement 2012 by Construction Research Alliance (RA) UTM
39. 8 June 2011 - Awarded the status of Associate ASEAN Engineer together with the designatory letter AAE by ASEAN Federation of Engineering Organisation (AFEO)
40. 31 May 2009 - Received the Excellence and Appreciation Award 2009 during the Excellence and Appreciation UTM Day (UTM Quality Day) 2009
41. 31 May 2009 - Nominated for UTM Teaching Award 2009 during the Excellence and Appreciation UTM Day (UTM Quality Day) 2009
42. 31 May 2009 - Nominated for UTM Intellectual Property Award 2009 during the Excellence and Appreciation UTM Day (UTM Quality Day) 2009
43. 2006-2008 - Obtained the UTM-PTP Scholarship from the Ministry of Science, Technology and Innovation while pursuing PhD in Civil Engineering at Universiti Teknologi Malaysia, Skudai
44. 13 August 2003 - Won third place in MERIT Simulation Competition Semester 2 2003 (conducted by University of Loughborough, United Kingdom) against 9 other teams from University of Newcastle (New South Wales) and The University of Melbourne

## **PROFESSIONAL EXPERIENCE**

1. 11 June 2017 – present – Associate Professor, UTM Razak School of Engineering and Advanced Technology, Universiti Teknologi Malaysia Kuala Lumpur

2. 20 June 2014 – 10 June 2017 - Senior Lecturer, Department of Civil Engineering, UTM Razak School of Engineering and Advanced Technology
3. 1 December 2011 – 19 June 2014 - Information Technology (IT) Manager, UTM Razak School of Engineering and Advanced Technology, Universiti Teknologi Malaysia Kuala Lumpur
4. 14 February 2011 – 30 November 2011 - Senior Lecturer, Department of Civil Engineering, Kolej Sains dan Teknologi (KST), Universiti Teknologi Malaysia City Campus
5. 26 December 2007 – 13 February 2011 – Lecturer, Department of Civil Engineering, Kolej Sains dan Teknologi (KST), Universiti Teknologi Malaysia City Campus

**\*\*Attachments to various organisations while holding the above positions at Universiti Teknologi Malaysia Kuala Lumpur**

1. 1 September 2017 – 28 February 2018 – Trainee CEO at Malaysian Resources Corporation Berhad (MRCB) under CEO@Faculty Programme 2.0 of Ministry of Higher Education
2. 20 June 2015 – 10 June 2017 – Senior Lecturer, UTM Razak School of Engineering and Advanced Technology, Universiti Teknologi Malaysia Kuala Lumpur
3. 1 September 2015 – 29 February 2016 – Visiting Lecturer, Faculty of Civil Engineering, Universiti Teknologi MARA (UiTM), Shah Alam
4. 20 June 2014 – 19 June 2015 – Research Fellow, Hyundai Heavy Industries Co. Ltd., Offshore and Engineering Division, South Korea
5. 1 June 2014 – 14 June 2014 - Visiting Faculty (Teaching attachment), Zaman University, Department of Civil Engineering, Faculty of Engineering, Phnom Penh, Cambodia
6. 15 March 2013 – 14 September 2013 - Visiting Lecturer, Faculty of Civil Engineering, Universiti Teknologi MARA (UiTM), Shah Alam
7. 15 March 2012 – 14 September 2012 - Visiting Senior Lecturer, Faculty of Civil Engineering, Universiti Teknologi MARA (UiTM), Shah Alam
8. 5 September 2011 – 14 March 2012 – Visiting Senior Lecturer, National Defense University of Malaysia (UPNM), Department of Civil Engineering, Faculty of Engineering

**PROFESSIONAL MEMBERSHIP AND RECOGNITION**

1. Professional Technologist registered with Malaysia Board of Technologist (MBOT) since April 2018.
2. Chartered Engineer (C.Eng.) with the Institution of Engineering and Technology (IET) under the UK Engineering Council since 7 August 2017, Registration No: 645020
3. Professional Engineer with Practising Certificate (PEPC) registered with the Board of Engineers Malaysia (BEM) since 22 December 2015, Registration No: A16615
4. Professional Engineer (Ir.) registered with the Board of Engineers Malaysia (BEM) since 8 December 2014, Registration No: 16615
5. Corporate member of the Institution of Engineers Malaysia (IEM) since 9 June 2014, Membership No: 44548
6. Member of the Institute of Electrical and Electronics Engineers (IEEE) since 7 May 2014, Membership No: 93046048
7. Member of The Institution of Engineering and Technology (IET) since 15 November 2013, Membership No: 1100320167
8. Technical committee of Project Management Technical Division (PMTD) of the Institution of Engineers Malaysia (IEM) since August 2013
9. Council member of Malaysia Asset and Project Management Association (MAPMA) since November 2010, Membership No: OM0160
10. Associate ASEAN Engineer (with the designatory letters AAE), Membership No. A 2384 since June 2009 by ASEAN Federation of Engineering Organisations (AFEO)

11. Member of Management in Construction Research Association (MiCRA) since August 2007
12. Member of South East Asian Technical Universities Consortium (SEATUC) since 25 February 2011
13. Member of ASEAN Federations of Engineering Association (AFEO) since 27 November 2011
14. Member of International Business Information Management Association (IBIMA) since 14 November 2011
15. Incorporate member of The Chartered Institute of Building (CIOB) since January 2012, Membership No: 1486301
16. Member of Project Management Institute (PMI) since 9 July 2012, Membership No: 2435385
17. Member of American Society of Civil Engineers (ASCE) since 8 August 2012, Membership No: 9352175
18. Graduate member of Malaysian Society for Engineering and Technology (MySET) since 6 September 2012, Membership No: 01239

#### **JOURNAL EDITOR/EDITORIAL/ADVISORY PANEL**

1. Editorial board member of Jurnal Teknologi (JTE/2009/23). Kuala Lumpur: College of Science and Technology, Universiti Teknologi Malaysia City Campus. **Scopus Index** (2009)
2. Editorial board member at National Postgraduate Conference 2011 (NPC 2011), Universiti Teknologi PETRONAS, Tronoh, Perak (2011)
3. Technical committee member at National Postgraduate Conference 2011 (NPC 2011), Universiti Teknologi PETRONAS, Tronoh, Perak (2011)
4. Panel reviewer for expert focus group for a Master of Civil Engineering student of University of Tun Hussein Onn Malaysia (UTHM), Nur Alkaf Abd Karim entitled "A Study on risk factor in Malaysia's Infrastructure Public-Private Partnership (PPP) Construction Project" (2012)
5. Editorial board member of British Journal of Economics, Management and Trade. ISSN: 2278 – 098X (2012)
6. Panel reviewer of Faculty of Built Environment, UTM Skudai postgraduate students' research proposal (2011-present)
7. Panel reviewer of Faculty of Built Environment, UTM Skudai postgraduate students' research progress (2012-present)
8. Editorial board member for International Business Information Management Association (IBIMA) Journals **ISI Index** (2012-present)
9. Editorial board member for Special Issue of International Journal of Construction Engineering and Management under Scientific and Academic Publishing (SAP) (2013)
10. Editorial board member of Research Journal of Agricultural and Environmental Management. ISSN 2315-8719. (2013)
11. Editorial board member of Journal of Civil Engineering and Management **ISI Index** (2013 – present)
12. Editorial board member for the 5<sup>th</sup> International Graduate Conference on Engineering Science & Humanity 2014 (IGCESH 2014)
13. Editorial board member for the International Conference in Engineering Business Management (ICEBM 2014) **Scopus Index** (2014)
14. Panel reviewer for expert focus group via modified Delphi method for a PhD student of International Islamic University of Malaysia, Syaima Mansor entitled "Identifying the Presence of Incomplete Contract in PFI Projects in Malaysia" (2015)
15. Editorial reviewer for International Conference on Sustainable Construction and Structures (ISuCOS 2016) by Universiti Tun Hussein Onn Malaysia, Johor (2016)
16. Editorial board member of International Journal of Productivity and Performance Management (2016)
17. Editorial reviewer of International Journal of Research in Education Methodology (ISSN: 2278-7690) (2016)

18. Editorial board member of Journal of Business and Economics (ISSN: 2155-7950) (2016)
19. Peer review of International Research Journal of Public and Environmental Health (ISSN: 2360-8803) (2016)
20. Editorial reviewer of International Conference on Innovation in Business and Strategy (2016-2017)
21. Editorial reviewer of IIUM Engineering Journal (ISSN: 1511-788X; e-ISSN 2289-7860) (2016)
22. Editorial reviewer of Journal of Construction in Developing Countries **ISI and Scopus Index** (ISSN: 2180-4222) (2016-present)
23. Guest editor of Malaysian Construction Research Journal (MCRJ) **Scopus Index** (ISSN: 1985-3807) (2016-present)
24. Editorial reviewer of Business Strategy and Development Journal **ISI and Scopus Index** (ISSN: 2572-3170) (2018)
25. Editorial reviewer of The International Journal of Human Resource Management **Scopus Index** (ISSN: 1466-4399) (2018)
26. Editorial reviewer of Linkages International Journal (2018)
27. Managing Editor for Advanced Management Science (ISSN: 2222-4955;e-ISSN: 222-4963) (2018)

## **ADMINISTRATIVE EXPERIENCE**

### **Faculty Level**

1. Member of Board of Studies (BOS) for Diploma of Civil Engineering at Kolej Sains dan Teknologi, UTM IC (2009)
2. Member of Board of Studies (BOS) for Bachelor of Civil Engineering at Razak School of Engineering and Advanced Technology, UTM IC (2010)
3. Member of Board of Studies (BOS) for Master of Science in Sustainable Construction at UTM RAZAK School of Engineering and Advanced Technology, UTM IC (2011)
4. Member of Board of Studies (BOS) for Master of Science in Sustainable Infrastructure at UTM RAZAK School of Engineering and Advanced Technology, UTM KL (2012)
5. Member of Board of Studies (BOS) for Master of Science in Disaster Engineering at UTM RAZAK School of Engineering and Advanced Technology, UTM KL (2013)
6. Interviewer panel at “How to Get Yourself Employed (HTGYE)” of UTM RAZAK School of Engineering and Advanced Technology (2011-present)
7. Speaker at “How to Get Yourself Employed (HTGYE)” of UTM RAZAK School of Engineering and Advanced Technology (2011-present)
8. Secretary of Professional Qualification (Pro-Q) UTM RAZAK School of Engineering and Advanced Technology (2013-present)
9. Programme Coordinator of Project Management Games development for Master of Science in Engineering Business Management (MEBM) programme, UTM RAZAK School of Engineering and Advanced Technology (2012-present)
10. Chairman of Technical Assessment Committee, UTM RAZAK School of Engineering and Advanced Technology (2012-present)
11. Project assessment panel for Master’s Project 1 and Master’s Project 2, Executive Master in Occupational Safety and Health Management (EMOSHM), UTM RAZAK School of Engineering and Advanced Technology (2013-present)
12. Chairman of students’ presentation on Master’s Project 1 and Master’s Project 2, Executive Master in Occupational Safety and Health Management (EMOSHM), UTM RAZAK School of Engineering and Advanced Technology (2013-present)
13. Project assessment panel for PhD Research Proposal Defence, UTM RAZAK School of Engineering and Advanced Technology (2013-present)

14. Project assessment panel for Engineering Doctorate Research Proposal Defence, UTM RAZAK School of Engineering and Advanced Technology (2013-present)
15. Project assessment panel for Master Research Proposal Defence, UTM RAZAK School of Engineering and Advanced Technology (2013-present)
16. Invited speaker for Project Management MDE2583, Master of Science in Engineering Business Management, UTM RAZAK School of Engineering and Advanced Technology (2013)
17. Speaker for UTM RAZAK School Professional Qualification (ProQ\_RS) Talk on "Special Route to Professional Engineer for Academicians via IEM Path" (2013)
18. Delegate of Internationalisation Working Visit to Institut Sains dan Teknologi Nasional (ISTN), ESQ Business School and Graha Fiesta, Jakarta (2013)
19. Speaker for UTM RAZAK School Professional Qualification (ProQ\_RS) Talk on "Special Route to Professional Engineer for Academicians via IEM Path" (2014)
20. Chairperson for PhD Research Proposal Defence of UTM RAZAK School of Engineering and Advanced Technology Semester 2 2013/2014 (2014)
21. Panel reviewer for PhD Research Proposal Defence of UTM RAZAK School of Engineering and Advanced Technology Semester 2 2013/2014 (2014)
22. Speaker for UTM RAZAK School Professional Qualification (ProQ\_RS) Talk on "Route to Professional Engineer: The Unrevealed" at Bilik Ilmuan 1, Menara Razak on April 15, 2015 (2015)
23. Working committee of Global Entrepreneurship Education Conference 2017 in Switzerland (2015)
24. Working committee of Global Entrepreneurship Education Workshop to be held on 12-15 May 2016 at School of Business, University of Applied Sciences and Arts Northwestern Switzerland (FHNW) (2015)
25. Field expert for Audit Akreditasi Penuh Master of Science (Sustainable Urban Design on 10 September 2015 (2015)
26. Panel reviewer for PhD Research Proposal Defence of UTM RAZAK School of Engineering and Advanced Technology Semester 1 2015/2016 on 26 November 2015 (2015)
27. Panel reviewer of Proposal Evaluation on GUP 2015/3 Niche Area Innovative Engineering PY/2015/05001 "The Exploration of Building Information Modelling (BIM) in Malaysia" on 20 October 2015 (2015)
28. Panel reviewer of Proposal Evaluation on GUP 2015/3 Niche Area Innovative Engineering PY/2015/05003 "The Effect of Tension Stiffening on the Behaviour of Reinforced Concrete Beam with Oil Palm Shell" on 20 October 2015 (2015)
29. Interviewer of APEL for candidates of Executive Master (Occupational Safety and Health Management) on 13 August 2015 (2015)
30. Promotional officer of UTM RAZAK School of Engineering and Advanced Technology at "Career Fair Mid Valley Exhibition Centre" on 21-23 August 2015
31. Member of Task Force for IT Facilities UTM RAZAK School of Engineering and Advanced Technology from July 1, 2015 (2015)
32. Working committee of working visit to Jabatan Kerja Raya Malaysia (JKRM) chaired by Dato' Ir. Dr. Roslan Mohd. Taha, TKP (Sektor Infra) JKRM for Meeting on JKR-UTM Collaboration in "The 1<sup>st</sup> National Symposium of Sustainable Infrastructure and Engineering" (SustalN 2015) on 26 August 2015 (2015)
33. Working committee of UTM-MIT BLOSSOMS video entitled "Let's Satay" (2015)
34. Promotional officer of UTM RAZAK School of Engineering and Advanced Technology at Global Higher Education Exhibition (GHEDEX) on 19 – 21 April 2016 (2016)
35. Panel reviewer of Proposal Evaluation on Potential Academic Staff (PAS) Research Grant PY/2016/06095 "Non---Liner Finite Element Analysis for Progressive Collapse of Precast Concrete" (2016)

36. Speaker for UTM RAZAK School of Engineering and Advanced Technology Copyright Application Workshop on “Experience Sharing: Needs and Strategies for IPR Application” on 19 October 2016 (2016)
37. Book Chapter Task Force of UTM RAZAK School of Engineering and Advanced Technology (2016)
38. Speaker of “Ask Dr. Concrete!” Workshop at Kuala Lumpur Engineering and Science Fair (KLESF 2016) on 6 November 2016
39. Speaker for UTM RAZAK School of Engineering and Advanced Technology Book Chapter Publication Workshop on 11 November 2016 (2016)
40. Speaker and facilitator of “UTM RAZAK School Book Chapters Compilation Workshop” on 12 October 2016 (2016)
41. Speaker for UTM RAZAK School of Engineering and Advanced Technology e-LPPT Workshop entitled “Experience Sharing: Strategies for e-LPPT 2016” on 19 October 2016 (2016)
42. Speaker for UTM RAZAK School of Engineering and Advanced Technology Engagement with Mentor (Research Grant) entitled “Managing Research Grant: Experience Sharing” on 4 May 2018 (2018)
43. Committee of UTM Industrial Training and Professional Qualification (JKLIK) (2016 – 2018)
44. Speaker and facilitator for Razak Faculty of Technology and Informatics workshop entitled “Year-End Performance Appraisal: How Ready We Are?” on 28 November 2018 (2018)
45. Speaker and facilitator for Ministry of Education (MOE) Training of Trainers (ToT) for Mentor-Mentee Programme under STEM Initiative 2018 on 10-11 October 2018 (2018)
46. Speaker for UTM Space motivational career talk entitled “A Look at Engineering as a Profession in Industry 4.0” on 19 December 2018 (2018)

#### **University Level**

1. Programme Chair for Connect-Us Conference (CuC)-2019: Digital Transformation – Opportunities And Challenges (2019)
2. Project assessment panel for Engineering Doctorate Programme (Technology and Construction), Faculty of Civil Engineering, UTM Skudai Semester 2 2011/2012 Session (2012)
3. Project member for Key Focus Area – Student Villa, UTM KL under UTM Global Plan 2012-2020 (2012-2013)
4. Project assessment panel for Pre Capstone Project MAB2392, Master of Project Management, Faculty of Civil Engineering, UTM JB (2013-present)
5. Evaluation panel for thesis proposal defence, Faculty of Built Environment, UTM Skudai Semester 2 2012/2013 Session (2013)
6. Advisor of Civil Engineering Students Organisation (PEMKA) (2008-2010)
7. Guiding Officer of Coursework Visit of 15% for DDA 3423: Geotechnical Engineering to Pulau Langkawi, Kedah for KST (2008)
8. Guiding Officer of Civil Revolution '08 to UTM Skudai for PEMKA (2008)
9. Guiding Officer of Civil Treasure '09 to UTM Skudai for PEMKA (2009)
10. Guiding Officer of An Inter-Academics Trip to Medan (INTERACT'09) for PEMKA (2009)
11. Advisor of First Year Experience SAW (FYE SAW) (2010-2011)
12. Advisor of Global Outreach Programme (GOP) SAW (2010)
13. Escort Officer for First Year Experience SKAW (FYE SKAW) at Tanjung Bidara, Melaka (2011)
14. Escort Officer for “SKAA 1213 Engineering Mechanics: Moulding Invincible Young Engineers” programme at Cameron Highlands, Pahang (2011)
15. Advisor of “SKAA 1713 Soil Mechanics and SAB 2722 Geotechnics I: Discover The Legendary Island” students programme at Pulau Langkawi, Kedah (2012)
16. Advisor of “Qurban@Cambodia 2011” University Social Responsibility (USR) programme under Civil Engineering Orbit (CEO), Department of Civil Engineering, UTM RAZAK School of Engineering and Advanced Technology (2011)



17. Advisor and escort officer of “Qurban@Cambodia II 2013” Global Outreach Programme (GOP), UTM RAZAK School of Engineering and Advanced Technology (2013)
18. Advisor of “Qurban@Cambodia III 2014” Global Outreach Programme (GOP), UTM RAZAK School of Engineering and Advanced Technology (2014)
19. Chairman of organising committee of “Lawatan Teknikal Sambil Belajar Pensyarah Universiti Teknologi Malaysia Kuala Lumpur ke Cawangan Jalan, Ibu Pejabat Jabatan Kerja Raya” on 7 May 7 2014 (2014)
20. Chairman of organising committee of “Lawatan Teknikal ke Tapak Projek Rawang Bypass” on 22 May 2014 (2014)
21. Chairman of organising committee of Talk on “Route to Chartered Engineer via The Institution of Engineering and Technology (IET)” on 23 April 2014
22. Chairman of organising committee of Talk on “Route to Professional Engineer (Ir.) via The Institution of Engineers Malaysia (IEM)” on 30 April 201
23. Chairman of organising committee of Talk on “Route to Chartered Engineer via The Institute of Marine Engineering, Science and Technology (IMarEST) by IMarEST UK Vice President” on 25 June 2014 (2014)
24. Committee of Technology Journal (JUTEK) KST (2008-2010)
25. Committee of Mentor-Mentee Programme KST (2009-2010)
26. Champion of E-Learning (2009-2010)
27. Committee of International Construction Business and Management Symposium (ICBMS 2011) at University of Technology Malaysia International Campus, Kuala Lumpur (2011)
28. Committee of Department of Civil Engineering Marketing for Postgraduate Programme at UTM RAZAK School of Engineering and Advanced Technology, Universiti Teknologi Malaysia International Campus and Faculty of Civil Engineering, UTM Skudai (2011)
29. Committee of Programme of Professional Qualification Development (PPKP) UTM (2012)
30. Committee of Programme of Professional Qualification Development (PPKP) UTM (2012)
31. Committee of MQA COPPA development for Master of Science in Sustainable Urban Design, UTM RAZAK School of Engineering and Advanced Technology (2012-2013)
32. Committee of Professional Qualification (Pro-Q) UTM (2013-2014)
33. Committee of 1<sup>st</sup> International Conference on Robust Quality Engineering (ICRQE 2013) organised by UTM RAZAK School of Engineering and Advanced Technology (2013)
34. Secretary of National Seminar on Sustainable Urban Design for Liveable Cities (SUDLiC 2012) (2012)
35. Treasurer of International Seminar on Sustainable Urban Design for Liveable Cities (SUDLiC 2013) (2013)
36. Committee (Promotion and Publication) of International Seminar on Sustainable Urban Design for Liveable Cities (SUDLiC 2014) (2013-2014)
37. Secretary of International Seminar on Sustainable Urban Design for Liveable Cities (SUDLiC 2014) (2013-2014)
38. Committee of Meiji University Visiting Professor’s Visit to UTM RAZAK School of Engineering and Advanced Technology (Prof. Dr. Kobayashi) (2014)
39. Committee cum Emcee of Meiji University Visiting Professor’s Public Lecture on “How to Make Resilient Built Environment against National Disaster? Lessons from Great East Japan Earthquake” (2014)
40. Task force of Campus Sustainability Index (CSI) (2013 – present)
41. Committee of Sudanese Engineers’ Visit to Institut Sultan Iskandar (ISI) and UTM RAZAK School of Engineering and Advanced Technology on 19-21 March 2014 (2014)
42. Scientific committee of the 5<sup>th</sup> International Graduate Conference on Engineering Science & Humanity 2014 (IGCESH 2014)

43. Assistant Chairman for PhD Viva of Farahiyah Mustafa, Faculty of Electrical Engineering, UTM JB on 18 March 2014 (2014)
44. Assistant Chairman for PhD Viva of Mastura Shafinaz, Faculty of Electrical Engineering, UTM JB on 19 March 2014 (2014)
45. Advisor and escort officer of “Qurban@Cambodia IV 2015 (Q@CIV 2015)” Global Outreach Programme (GOP), UTM RAZAK School of Engineering and Advanced Technology (2015)
46. Member of UTM Book Panel from 14 September 2015 – 13 September 2017 (2015)
47. Assistant Secretary of PKA UTM KL 2015-2017 since 3 November 2015 (2015-2017)
48. Secretary of International Seminar on Sustainable Urban Design for Liveable Cities (SUDLiC 2016) since 20 October 2015 (2015-2016)
49. Chairman of “The 1<sup>st</sup> National Symposium on Sustainable Infrastructure and Engineering (SustaIN 2015)” on 16 December 2015 (2015)
50. Advisor and escort officer of UTM RAZAK School of Engineering and Advanced Technology - University Social Responsibility (USR) Service Learning: Kutub Khanah@Satun 2015 on 30 November – 5 December 2015 (2015)
51. Advisor and escort officer of UTM RAZAK School of Engineering and Advanced Technology - University Social Responsibility (USR) for Homeless: DEKAT 2016 on 27 March 2016 (2016)
52. Advisor and escort officer of UTM RAZAK School of Engineering and Advanced Technology - University Social Responsibility (USR) Service Learning: Haiya Ilal Maahad on 29 April – 2 May 2016 (2016)
53. Head of “Green Cities and Construction Research Group (GCCRG)” since 10 May 2016 (2016-2018)
54. Advisor and escort officer of “Qurban@Cambodia V 2016” Global Outreach Programme (GOP), UTM RAZAK School of Engineering and Advanced Technology (2016)
55. Advisor of “Qurban@Cambodia VI 2017” Global Outreach Programme (GOP), UTM RAZAK School of Engineering and Advanced Technology (2017)
56. Advisor and escort officer of “Qurban@Cambodia VII 2018” Global Outreach Programme (GOP), Green Cities and Construction Research Group (2018)
57. Taskforce committee of National STEM Movement Chapter UTM Kuala Lumpur (STEM-UTMKL) from 31 July 2017 – 30 July 2020 (2017 – 2020)

#### **MoU/MoA/LoC/Lol (18 nos)**

1. Steering committee in drafting the Memorandum of Understanding (MoU) between UTM and Board of Engineers Malaysia (BEM) on UTM Students’ Bulk Registration as BEM Graduate Member, signed on 23 October 2013 (2013)
2. Steering committee in drafting Letter of Intent (LoI) on Educational and Research Collaboration between ESQ Business School, Indonesia and UTM RAZAK School on 9 December 2013 (2013)
3. Steering committee in drafting the Memorandum of Agreement (MoA) between UTM and APEN-JAIF Japan on Multiversity and Competency Index for SMEs (CIS) Projects with the research grant value of USD 22,076, to be signed on 19 January 2016 (2015)
4. Steering committee in drafting the Letter of Collaboration (LoC) between UTM RAZAK School of Engineering and Advanced Technology and Zaman University, Phnom Penh, Cambodia on Research Collaboration in GUP Tier 1 “Framework of Knowledge Management Practice Amongst Consultant in Construction Industry” signed on 22 September 2015 (2015)
5. Steering committee in drafting the Letter of Collaboration (LoC) between UTM RAZAK School of Engineering and Advanced Technology and Ilham Jurutera Sdn. Bhd. on Research Collaboration in GUP Tier 1 “Framework of Knowledge Management Practice Amongst Consultant in Construction Industry” signed on 18 September 2015 (2015)
6. Steering committee in drafting the Letter of Collaboration (LoC) between UTM RAZAK School of Engineering and Advanced Technology and Jabatan Pengaliran dan Saliran Malaysia (JPS) on the

support in running Master of Science (Sustainable Infrastructure) signed on 2 October 2015 (2015)

7. Steering committee in drafting the Letter of Collaboration (LoC) between UTM RAZAK School of Engineering and Advanced Technology and Jabatan Pengaliran dan Saliran Malaysia (JPS) on the support in organising The 1<sup>st</sup> National Symposium on Sustainable Infrastructure and Engineering (SustaIN 2015) signed on 2 October 2015 (2015)
8. Steering committee in drafting the Letter of Collaboration (LoC) between UTM RAZAK School of Engineering and Advanced Technology and Jabatan Kerja Raya Malaysia (JKR) on the support in organising The 1<sup>st</sup> National Symposium on Sustainable Infrastructure and Engineering (SustaIN 2015) signed on 20 October 2015 (2015)
9. Steering committee in drafting the Letter of Collaboration (LoC) between UTM RAZAK School of Engineering and Advanced Technology and Institut Sultan Iskandar (ISI) on the support in organising The 1<sup>st</sup> National Symposium on Sustainable Infrastructure and Engineering (SustaIN 2015) signed on 2 October 2015 (2015)
10. Steering committee in drafting the Letter of Collaboration (LoC) between UTM RAZAK School of Engineering and University of Applied Science and Art, Northwestern Switzerland (FHNW) on the academic collaboration signed in January 2017 (2017)
11. Steering committee in drafting the Letter of Collaboration (LoC) between UTM RAZAK School of Engineering and Advanced Technology and Zafar Rozaly Architect on Research Collaboration in GUP Tier 2 “Framework of Communication Management Improvement in the Malaysian Architectural Firms” signed on 7 September 2016 (2016)
12. Steering committee in drafting the Letter of Agreement (LoA) between Branch of Policy and Corporate Management, Jabatan Kerja Raya, Kementerian Kerja Raya Malaysia on Research Collaboration in GUP Tier 2 “Framework of Change Management in Construction Industry” signed on 2 September 2016 (2016)
13. Steering committee in drafting the Letter of Agreement (LoA) between Faculty of Civil Engineering and Zaman University, Phnom Penh, Cambodia on Research Collaboration in GUP Tier 2 “Framework of Change Management in Construction Industry” signed on 2 September 2016 (2016)
14. Steering committee in drafting the Letter of Intent between Technological Institute of the Philippines (T.I.P) and UTM, signed in December 2016 (2016)
15. Steering committee in drafting the Memorandum of Agreement between BHS Industries Berhad and UTM, signed on 8 April 2017 (2017)
16. Steering committee in drafting the Non-Disclosure Agreement (NDA) between Malaysian Resources Corporation Berhad (MRCB) and UTM, signed on 5 December 2017 (2017)
17. Steering committee in drafting the Memorandum of Agreement between Pembinaan BLT Sdn. Bhd. and Malaysian Asset and Project Management Association (MAPMA), signed on 11 April 2018 (2018)
18. Steering committee in drafting the Letter of Agreement (LoA) between Faculty of Civil Engineering and Ahmad Zaki Resources Berhad (AZRB) on Research Collaboration in GUP Tier 1 “Framework of Contractor’s Performance Appraisal for Government Construction Project in Malaysia” to be signed on May 2018 (2018)

#### **PROFESSIONAL BODY COMMITTEE**

1. Chairman of organising committee of “University Social Responsibility (USR): Lawatan Akademik Pelajar-Pelajar Sekolah Orang Asli, Kuang, Sg. Buloh”, a joint-activity with The Institute of Electrical and Electronics Engineers (IEEE) and the Institution of Engineers Malaysia Women Engineers (IEM WE) on May 30, 2014 (2014)

2. Working committee for National Seminar on Asset and Project Management of The Malaysian Asset and Project Management (MAPMA) and The Association of Jabatan Kerja Raya Professionals (ProJKRM), Singgahsana Hotel, Petaling Jaya (2011)
3. Council Member of Malaysia Asset and Project Management Association (MAPMA) (2011 - present)
4. Secretary of The Sub-Committee of Membership, Publication and Promotion MAPMA (2011 - present)
5. Secretariat of The Sub-Committee of Membership, Publication and Promotion Asset and Project Management of The Malaysian Asset and Project Management (MAPMA) (2011 - 2014)
6. Secretariat of The Sub-Committee of Training and Resource Development Asset and Project Management of The Malaysian Asset and Project Management (MAPMA) (2011 - 2014)
7. Technical committee of Project Management Technical Division (PMTD), The Institution of Engineers Malaysia (IEM) (2013 – 2014)
8. Standing Committee of The Institution of Engineers Malaysia (IEM) (2013 – 2014)
9. Task Force of Project Management Technical Division (PMTD) of the Institution of Engineers Malaysia (IEM) Visit to South Korea Fabrication Yard (2014)
10. Secretariat of The Sub-Committee of Membership, Publication and Promotion 2015/2017 session of Asset and Project Management of The Malaysian Asset and Project Management (MAPMA) (2015 - 2017)
11. Technical committee of Project Management Technical Division (PMTD), The Institution of Engineers Malaysia (IEM) (2015 – 2016) since 22 August 2015 (2015 – present)
12. Co-opted member of Project Management Technical Division (PMTD), The Institution of Engineers Malaysia (IEM) since August 2016 (2016 – 2017)
13. Committee of National STEM Movement for Kuala Lumpur Engineering and Science Fair (KLESF 2016) on 4 – 6 November 2016 (2016)
14. Task Force of Project Management Technical Division (PMTD) of the Institution of Engineers Malaysia (IEM) Visit to Institut Teknologi Bandung, Indonesia (2017)
15. Treasurer of Malaysian Asset and Project Management Association (MAPMA) since 12 January 2017 (2017 – present)
16. Secretary/Treasurer of Project Management Technical Division (PMTD), The Institution of Engineers Malaysia (IEM) since August 2017 (2017 – present)
17. Task Force of Project Management Technical Division (PMTD) of the Institution of Engineers Malaysia (IEM) Visit to MRCB KL Sentral CBD TOD Project on 12 April 2018 (2018)
18. Steering committee in drafting the Memorandum of Agreement between Pembinaan BLT Sdn. Bhd. and Malaysian Asset and Project Management Association (MAPMA), signed on 11 April 2018 (2018)
19. Task Force of Project Management Technical Division (PMTD) of the Institution of Engineers Malaysia (IEM) Visit to Phnom Penh, Cambodia on 29 April – 2 May 2018 (2018)
20. Executive Committee of Institution of Engineering and Technology (IET) Malaysia Chapter (2018-2020)

#### **INTERNATIONAL APPOINTMENT/COMMITTEE**

1. Chairman of parallel session at CRIOCM2010 International Symposium on “Advancement of Construction Management and Real Estate”, Johor Bahru (2010)
2. Chairman of keynote address at International Conference on Urban Development and Management (ICUDM 2010), PWTC Kuala Lumpur (2010)
3. Chairman of Promotion Committee for National Seminar on Asset and Project Management of The Malaysian Asset and Project Management (MAPMA) and The Association of Jabatan Kerja Raya Professionals (ProJKRM), Singgahsana Hotel, Petaling Jaya (2011)

4. Chairman of parallel session at 1<sup>st</sup> International Conference on Robust Quality Engineering (ICRQE 2013) organised by UTM RAZAK School of Engineering and Advanced Technology (2013)
5. Emcee of Seminar on Advanced Active Remote Sensing (SAARS 2013) organised by UTM RAZAK School of Engineering and Advanced Technology (2013)
6. Founding member of Swiss-ASEAN Learning and Teaching (SALT) Association based in University of Applied Science and Art, Northwestern Switzerland (FHNW) (2016 – present)
7. Member of ASEAN Learning Network Council (ALNC) (2016 – present)
8. Working committee of Connect Us Conference (CU Conference 2017) in Ho Chi Minh, Vietnam (2015 – 2017)
9. Working committee of Global Entrepreneurship Education Workshop on 12-15 May 2016 at School of Business, University of Applied Sciences and Arts Northwestern Switzerland (FHNW) (2015)
10. Programme Chair of Connect Us Conference (CuC 2018) in Kuala Lumpur, Malaysia (2018 – 2019)
11. Technical member at the 3<sup>rd</sup> International Conference on Architecture and Civil Engineering (ICACE 2019) organised by Sigma Research and Consulting Sdn. Bhd. (2018 – 2019)
12. Technical member at ArCi Innovation and Design Competition organised by Sigma Research and Consulting Sdn. Bhd. (2018 – 2019)
13. Session Chair of International Conference on Science, Technology, Engineering and Mathematics Education 2018 (ICSTEM 2018) (2018)
14. Working committee of International Conference on Science, Technology, Engineering and Mathematics Education 2018 (ICSTEM 2018) (2018)

#### **TEACHING EXPERIENCES (TOTAL = 232 CREDIT HOURS)**

##### **UNDERGRADUATE COURSES TAUGHT**

<b>Course</b>	<b>Semester/Session</b>	<b>Credit Hours</b>
DDA3092 Civil Engineering Lab 2	2/20072008	2
DDA3052 Civil Engineering Lab 1	2/20072008	2
DDA2412 Soil Mechanics	2/20072008	2
DDA2412 Soil Mechanics	2/20072008	2
DDA2412 Soil Mechanics	2/20072008	2
DDA3423 Geotechnical Engineering	1/20082009	3
DDA3423 Geotechnical Engineering	1/20082009	3
DDA3423 Geotechnical Engineering	1/20082009	3
DDK2633 Mechanical and Electrical System	1/20082009	3
DDA3092 Civil Engineering Lab 2	1/20082009	2
DDA3052 Civil Engineering Lab 1	1/20082009	2
DDA2412 Soil Mechanics	2/20082009	2
DDA3033 Project Management and Construction Practice	2/20082009	3
DDA3033 Project Management and Construction Practice	2/20082009	3
DDA3052 Civil Engineering Lab 1	2/20082009	2
DDA3092 Civil Engineering Lab 2	2/20082009	2
DDA3423 Geotechnical Engineering	1/20092010	3
DDA3092 Civil Engineering Lab 2	1/20092010	2
DDA1163 Civil Engineering Drawings	1/20092010	3
DDA3052 Civil Engineering Lab 1	1/20092010	2
DDK2633 Mechanical and Electrical System	2/20092010	3
DDA2412 Soil Mechanics	2/20092010	2
DDN2143 Urban Engineering	2/20092010	3

DDR1512 Building Services	1/20102011	2
DDN1032 Introduction to Computer	1/20102011	2
ECA3252 (UPNM) Infrastructure Design Project	1/20112012	2
ECA3233 (UPNM) Civil Engineering Project Management	1/20112012	3
SKAA1012 Civil Engineering Fundamentals	1/20112012	2
SKAA1213 Engineering Mechanics	1/20112012	3
SAB2722 Geotechnics I	1/20112012	2
ECM507 (UiTM Shah Alam) Engineers in Society	2/20112012	3
ECM587 (UiTM Shah Alam) Business for Engineer	2/20112012	3
SAB2032 Mechanical and Electrical System	2/20112012	2
ECM507 (UiTM Shah Alam) Engineers in Society	2/20122013	3
DDA3092 Civil Engineering Lab 2	2/20132014	3
CE431 (Zaman University, Phnom Penh) Construction Management	2/20132014	3

#### POSTGRADUATE COURSE TAUGHT

Course	Semester/Session	Credit Hours
MDS1173 Sustainable Urban Design Research Method	2/20122013	3
MDE2923 Master's Project 1	2/20122013	3
MDE1914 Master's Project 1	2/20122013	4
MAB2392 Pre Capstone Project	3/20122013	2
MDU2183 Sustainable Design and Construction	1/20132014	3
MDS2118 Master's Project	1/20132014	8
UDP0010 Research Methodology	1/20132014	2
EMS2014 Master's Project	1/20132014	4
MAB2404 Capstone Project	1/20132014	4
MDU2183 Sustainable Design and Construction	2/20132014	3
UDP0010 Research Methodology	2/20132014	2
MDE2583 Project Management	2/20132014	3
MDS1173 Sustainable Urban Design Research Method	2/20132014	3
MDE2583 Project Management	2/20132014	3
MDS2118 Master's Project	2/20132014	8
MRSE1123 Strategic Management	1/20152016	3
MRSE2583 (Full-time) Project Management	1/20152016	3
MRSE2583 (Part-time) Project Management	1/20152016	3
MRSS2183 Sustainable Design and Construction	1/20152016	3
MDS2188 Master's Project	1/20152016	3
ECM753 (UiTM Shah Alam) Construction Law and Contract Procedure	1/20152016	3
FRSS2073 Project Management	1/20152016	1.5
FRSB2073 Project Management	1/20152016	1.5
ERSA1233 Current Topics in Project Management	2/20152016	3
MRSE1123 Strategic Management	2/20152016	3
MRSE2583 Project Management	2/20152016	3
MRSS1144 Master's Project I	2/20152016	4
MRSS2116 Master's Project II	2/20152016	6
FRSB2073 Project Management	2/20152016	1.5
FRSB2073 Project Management	2/20152016	1.5

PCM2093 Construction Material and Technology	2/20152016	1.5
ERSA1233 Current Topics in Project Management	1/20162017	3
MRSE2583 Project Management	1/20162017	3
MRSS1144 Master's Project I	1/20162017	4
MRSS2116 Master's Project II	1/20162017	6
FRSB2013 Project Management	1/20162017	1.5
MRSE1123 (Full-time) Strategic Management	2/20162017	3
MRSE1123 (Part-time) Strategic Management	2/20162017	3
FRSB2073 Project Management	2/20162017	1.5
PCM2093 Construction Material and Technology	2/20162017	1.5
FRSB2073 Project Management	1/20172018	1.5
FRSB2073 Project Management	1/20172018	1.5
FRSB2073 Project Management	1/20172018	1.5
FRSB2073 Project Management	2/20172018	1.5
FRSB2073 Project Management	2/20172018	1.5
MRSC1033 Sustainable Infrastructure Policy and Infrastructure	2/20172018	3
MRSS2183 Sustainable Design and Construction	2/20172018	3
ERSA1233 Current Topics in Project Management	2/20172018	3
MDS 1173 Sustainable Urban Design Research Methods	1/20182019	3
MRSC 1043 Services and Maintenance of Infrastructure Asset	1/20182019	3
FRSB2073 Project Management	1/20182019	1.5

#### **RESEARCH PROJECT UNDERTAKEN (Cumulative grant procured = RM 7,609,088.00)**

##### **Project Leader/Project Member (International Grant) (Cumulative grant procured = RM 36,000.00 or USD 9,300.00, 1 nos)**

1. Project member, Asian Professional Educational Network – Japan ASEAN Integration Fund (APEN-JAIF) Japan Research Grant entitled “Competency Index for SMEs (CIS) Projects”. Budget approved USD 7,585. 21 October 2015 – 30 September 2017 (2 years)

##### **Project Leader/Project Member (Local Grant) (Cumulative grant procured = RM 7,573,088.00 or USD 1,760,000.00, 36 nos)**

1. Programme leader, Transdisciplinary Research (TDR) (06G98) entitled “Integrated Framework of Biophilic City for Langkawi, Kedah”. Budget approved RM 224,000.00. 1 December 2018 – 30 November 2021 (3 years)
2. Project leader, Transdisciplinary Research (TDR) (07G00) entitled “Biophilic Infrastructure for Langkawi, Kedah”. Budget approved RM 68,000.00. 1 December 2018 – 30 November 2021 (3 years)
3. Project leader for consultation on “Improvement and Revision of Existing Training Module and Learning Package for Project on Certified Construction Project Manager (CCPM) by Construction Industry Development Board (CIDB)”. Consultation fee awarded RM5,000.00. 1 October 2018 – 31 May 2019 (8 months)
4. Project leader, Post-Doctoral Research University (04E46) entitled “A Model for Decision-Making on Green Roof and Green Wall Installation”. Budget approved RM 120,000. 1 July 2018 – 30 June 2020 (2 years)
5. Project leader, Razak School Research Grant (*Dana Penyelidikan UTM Razak*) (4J290) entitled “Contractor Selection Framework for Public Projects in the Malaysian Construction Industry”. Budget approved RM 32,000. 1 August 2017 – 31 July 2019 (2 years)

6. Project leader, Razak School Research Grant (*Dana Penyelidikan UTM Razak*) “Framework of Knowledge Management Practice amongst Consultants in the Malaysian Construction Industry”. Budget approved RM 50,000. 1 August 2017 – 31 July 2019 (2 years)
7. Project leader, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 1 (11H09) entitled “Framework of Knowledge Management Practice amongst Consultants in the Malaysian Construction Industry”. Budget approved RM 50,000. 15 November 2015 – 14 November 2017 (2 years)
8. Project leader, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 1 (03H87) entitled “Construction On-Site Productivity Constraints and Improvement Measures: A Framework for Malaysian Construction Industry”. Budget approved RM 120,000. 1 December 2012 – 31 December 2014 (2 years 1 month)
9. Project leader, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 1 (00H47) entitled “A Causal Relationship Framework for Success Determinants and Success Criteria of Social Infrastructure in Malaysia”. Budget approved RM 150,000. 1 April 2011 – 31 March 2013 (2 years)
10. Project leader, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Innovation Encouragement (00L06) entitled “Pembangunan Buku Panduan Penilaian dan Pemarkahan Makmal dan Bengkel Kejuruteraan UTM RAZAK School of Engineering and Advanced Technology”. Budget approved RM 10,000. 1 September 2011 - 31 August 2012 (1 year)
11. Project leader, Short-Term Research Grant (77332) entitled “Key Performance Indicators (KPIs) of Malaysia's Construction Industry”. Budget approved RM 10,000. 15 December 2009 – 14 December 2011 (2 years)
12. Project member, Science and Technology Research Partnership for Sustainable Development (SATREPS) entitled “Development of Advanced Hybrid Ocean Thermal Energy Conversion (OTEC) Technology for Low Carbon Society and Sustainable Energy System: First Experimental OTEC Plant of Malaysia”. Budget approved RM 6,050,000.00. 1 January 2019 – 31 December 2024 (5 years)
13. Project member, Transdisciplinary Research (TDR) (06G79) entitled “Biophilic City Development for Langkawi, Kedah”. Budget approved RM 37,000.00. 1 December 2018 – 30 November 2021 (3 years)
14. Project member, Transdisciplinary Research (TDR) (06G99) entitled “Biophilic Climate-Conscious Design for Langkawi, Kedah”. Budget approved RM 40,000.00. 1 December 2018 – 30 November 2021 (3 years)
15. Project member, Transdisciplinary Research (TDR) (06G79) entitled “Biophilic Street Design for Placemaking for Langkawi, Kedah”. Budget approved RM 71,000.00. 1 December 2018 – 30 November 2021 (3 years)
16. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 2 (15J03) entitled “The Value of Historic Urban Landscape Elements Influence the Character of George Town UNESCO World Heritage Site”. Budget approved RM20,000. 1 February 2018 – 31 January 2019 (1 year)
17. Project member, Razak School Research Grant (*Dana Penyelidikan UTM Razak*) (4J294) entitled “International Collaborative Research and Development of Occupational Safety and Health Ecosystem for the Ministry of Human Development and Labour, Khartoum State”. Budget approved RM 32,000. 1 August 2017 – 31 July 2019 (2 years)
18. Project member, Razak School Research Grant (*Dana Penyelidikan UTM Razak*) (4J296) entitled “Framework of Governance on Urban Heritage: Adaptive Reuse of Heritage Buildings”. Budget approved RM 32,000. 1 August 2017 – 31 July 2019 (2 years)
19. Project member, Razak School Research Grant (*Dana Penyelidikan UTM Razak*) (4J298) entitled “Street Design Guidelines for Safety Improvement in Kuala Lumpur”. Budget approved RM 32,000. 1 August 2017 – 31 July 2019 (2 years)



20. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 1 (19H54) entitled “Framework of Contractor’s Performance Appraisal for Government Construction Project in Malaysia”. Budget approved RM 50,000. 1 February 2018 – 31 January 2020 (2 years)
21. Project member. Networking Grant (4X312) entitled “*Program Mentor-Mentee STEM Sekolah Menengah Kebangsaan Padang Tembak Bersama UTMKL 2017*”. Budget approved RM 13,920. 1 September 2017 – 31 December 2017 (4 months)
22. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 2 (12J08) entitled “Framework of Change Management in the Malaysian Government Organisation”. Budget approved RM 20,000. 1 October 2016 – 31 December 2017 (1 year 3 months)
23. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 2 (12J00) entitled “A Framework on Water Sensitive Cities: Holistic Application of Storm Management”. Budget approved RM 20,000. 1 October 2016 – 31 December 2017 (1 year 3 months)
24. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 2 (11J98) entitled “Framework of Communication Management Improvement in the Malaysian Architectural Firms”. Budget approved RM 20,000. 1 October 2016 – 31 December 2017 (1 year 3 months)
25. Project member, Fundamental Research Grant Scheme (FRGS) (FRGS/1/2015/TK06/UITM/02/2) entitled “An Assessment Framework of a Multi-Organisational Team Integration Performance in Construction Projects”. Budget approved RM 118,000. 2 November 2015 - 31 October 2018 (3 years)
26. Project member, Long-Term Research Grant Scheme (LRGS) (4L815) entitled “Pelestarian Institusi Wakaf untuk Memperkasakan Pendidikan Tinggi Negara”. Budget approved RM 100,000. 1 January 2014 – 31 December 2016 (2 years)
27. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 1 (06H57) entitled “Housing Affordability Index in Malaysia”. Budget approved RM 36,088. 1 April 2014 – 31 December 2016 (2 years)
28. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 2 (00H47) entitled “A Causal Relationship Framework for Success Determinants and Success Criteria of Social Infrastructure in Malaysia”. Budget approved RM 150,000. 1 April 2011 – 31 March 2013 (2 years)
29. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 2 (09J76) entitled “The Tension Stiffening Mechanism in Reinforced Fibre Concrete Members”. Budget approved RM 20,000. 1 April 2014 – 30 June 2015 (1 year 1 month)
30. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 2 (00K40) entitled “Assessing the Role of Density on Influencing the Level of Sociability in Urban Neighbourhoods for Liveable City”. Budget approved RM 20,000. 1 June 2013 – 31 May 2014 (1 year)
31. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 2 (06J89) entitled “Comparison of Probability Distributions of the Extreme Response Values from Different Methods of Simulation Wave Kinematics”. Budget approved RM 34,000. 1 December 2012 – 31 December 2013 (1 year 1 month)
32. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 2 (07J02) entitled “Derivation of Long-Term Probability Distribution of the Extreme Values of Offshore Structural Response by an Efficient Time Simulation Techniques”. Budget approved RM 34,000. 1 December 2012 – 31 December 2013 (1 year 1 month)
33. Project member, RAZAK School Research Grant (4J084) entitled “Long-Term Distribution of the Extreme Values of Offshore Structural Response by Modified Finite-Memory Nonlinear System Modelling”. Budget approved RM 50,000. 1 September 2012 – 28 February 2014 (1 year 6 months)

34. Project member, RAZAK School Research Grant (4J085) entitled “Derivation of Short-Term Probability of the Extreme Values of Offshore Structural Response by an Efficient Time Simulation and Finite-Memory Nonlinear System Techniques”. Budget approved RM 50,000. Budget approved RM 50,000. 1 September 2012 – 28 February 2014 (1 year 6 months)
35. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 2 entitled “Developing Guidelines for the Successful Implementation of Crime Prevention through Environmental Design (CPTED) in the Design and Planning of Kuala Lumpur by Kuala Lumpur City Hall”. Budget approved RM 40,000. 1 April 2011 – 31 March 2012 (1 year)
36. Project member, Research University Grant (*Geran Universiti Penyelidikan – GUP*) Tier 2 (03J27) entitled “Evaluating the Importance of Urban Landscape Elements in Contributing to the Character of UNESCO’s World Heritage Site of Georgetown, Penang”. Budget approved RM 40,000. 1 April 2011 – 31 March 2012 (1 year)
37. Project member, Short-Term Research Grant entitled “An Analysis of Property Cycles in Malaysia”. Budget approved RM 20,000. 25 November 2009 – 24 May 2011 (1 year 6 months)

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	<b>Title of IPR</b>	<b>Type</b>	<b>Date of Award</b>
1	Framework of Change Management Readiness for the Malaysian Public Organisation	Copyright (IP/CR/2018/0423)	Pending
2	Framework of Sustainable Construction Project Indicators in Evaluating Malaysian Contractors Performance	Copyright (IP/CR/2018/0420)	Pending
3	Critical Success Factors Framework for Public Housings in Malaysian Construction Industry	Copyright (IP/CR/2018/0437)	Pending
4	Framework of Knowledge Management Practice amongst Malaysian Consulting Firms in Construction Industry	Copyright (IP/CR/2018/0419)	Pending
5	F-N-C-O Measurement System Design for Etching Process Robustness	Patent	Pending
6	Professional Qualification Development Programme UTM PQDP 2012 Annual Report	Copyright (IP/CR/2016/1502)	22/12/2015
7	Typical Equation Calculated by PM-KPIs Framework	Copyright (IP/CR/2016/1502)	29/12/2016
8	Laporan Tahunan ProQUTM RAZAK School: Pencapaian Global dan Kelayakan Profesional 2014	Copyright (IP/CR/2016/1502)	22/12/2015
9			
10	Accurateness of Work Programme Analysis (AWPA)	Patent under MyIPO (MY-5221334-T)	30/9/2014
11	Project Management Key Performance Indicators Framework	Copyright (UTM.J.14.01/27.13/1JLD81(16))	30/12/2014
12	Sijil Tahunan Pemeriksaan Peralatan Unit Penyelenggaraan Makmal	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013

13	Rekod Penyelenggaraan Unit Penyelenggaraan Makmal	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
14	Log Penggunaan Peralatan Unit Penyelenggaraan Makmal	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
15	Borang Jadual Pemeriksaan dan Penyelenggaraan Berkala Unit Penyelenggaraan Makmal	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
16	Maklumat Peralatan untuk Tujuan Pembelajaran dan Penyelidikan Unit Penyelenggaraan Makmal	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
17	Borang Menaiktaraf Alat Unit Penyelenggaraan Makmal	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
18	Kad Kerja Unit Penyelenggaraan Makmal	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
19	Borang Aktiviti Unit Penyelenggaraan Makmal	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
20	Borang Aduan Kerosakan Unit Penyelenggaraan Makmal	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
21	Format of Written Laboratory Report for Makmal Fizik	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
22	Peraturan Makmal Fizik	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
23	Laboratory Report Submission for Makmal Fizik	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
24	Sijil Tahunan Pemeriksaan Peralatan Makmal Fizik	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
25	Rekod Penyelenggaraan Makmal Fizik	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
26	Laboratory Regulations for Makmal Fizik	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
27	Log Penggunaan Peralatan Makmal Fizik	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
28	Jadual Pemeriksaan dan Penyelenggaraan Berkala Makmal Fizik	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
29	Borang Pemarkahan Makmal Fizik	Copyright (UTM.J.14.01/27.13/1JLD46(66))	7/6/2013
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#### **POSTDOCTORAL SUPERVISION**

##### ***Post-Doctoral Researcher (1 nos)***

##### **Researcher's Name (Appointment Duration)**

1. Dr. Amir Mahdiyar (1 July 2018 – 30 June 2020)  
A Model for Decision-Making on Green Roof and Green Wall Installation

#### **POSTGRADUATE SUPERVISION**

##### ***Graduated PhD Student (8 nos)***

##### **Student's Name (Supervision Status, Year)**

1. Nur Izzati Mohd. Rani (Main supervisor, March 2018)  
Competitiveness Framework of Local Contractors towards Globalisation and Liberalisation
2. Zulkifli Muhammad (Co-supervisor, February 2018)  
Effectiveness of Employees Training at Technical Academy Telekom Malaysia
3. Kambiz Ghafourian (Co-supervisor, September 2017)  
Sustainable Measurement Model for Construction and Demolition Waste Management in Malaysia
4. Poh Ngoh Kiew (Main supervisor, February 2016)  
Project Management Key Performance Indicators Framework for Medium Sized Building Construction Industry
5. Zarabizan Zakaria (Main supervisor, GOT, September 2015)  
Framework of Final Account Closing in Construction Industry
6. Serdar Durdyev (Main supervisor, GOT, September 2014)  
On-Site Labour Productivity in Malaysia's Construction Industry
7. Abdoul Mohammad Gholamzadeh Chofreh (Co-supervisor, September 2014)  
Master Plan for Sustainable Enterprise Resource Planning (ERP) Implementation

8. Wai Soon Han (Co-supervisor, September 2013)  
Modelling Construction Projects Success Determinants and Criteria

### ***Graduated MPhil Student (3 nos)***

#### **Student's Name (Supervision Status, Year)**

1. Khairul Zahreen Mohd Arof (Main supervision, August 2018)  
Critical Success Factors toward Efficiency of Contractor's Performance Appraisal System in Malaysian Construction Industry
2. Hala Taleb Al-Mayahi (Main supervisor, GOT, March 2018)  
Appraisal of Communication Management Strategy in Iraqi Architectural Firms
3. Eza Azwa Razali (Main supervisor, September 2017)  
Key Success Measures between Private Finance Initiative and Privatisation in Public Infrastructure Project

### ***Graduated Master Student (by coursework) (22 nos)***

#### **Student's Name, Programme (Supervision Status, Graduation Year)**

1. Zaamuddin Zakaria, Executive Master in Occupational Safety and Health Management (Main supervisor, April 2018)  
Fire Hazard Assessment during Construction Phase: Case Study of a Mixed-Use Development Project in Kuala Lumpur
2. Mohd. Hafis Ahmad, Master in Project Management (Main supervisor, February 2017)  
Readiness of Change Management in the Malaysian Public Organisation
3. Mohd. Noor Abdullah, Executive Master in Occupational Safety and Health Management (Main supervisor, June 2016)  
Road Accident amongst Malaysian Army Personnel
4. Mohammad Abdullah MUSAED ALFAREH, MSc in Engineering Business Management (Main supervisor, June 2016)  
Strategic Plan Guideline towards Gaining Competitive Advantages in Building Construction Industry in Malaysia
5. Nur Effarini Barom, MSc in Engineering Business Management (Main supervisor, June 2016)  
Job Satisfaction amongst Multigenerational Engineers in Malaysian Construction Industry
6. Nur Fatin Syazwani Abu Bakar, Master in Project Management (Main supervisor, June 2016)  
Sustainable Construction for Mixed Development Project Implementation in Malaysian Construction Industry
7. Khidir Sanusi, Executive Master in Occupational Safety and Health Management (Main supervisor, June 2015)  
Customised Safety Behaviour Checklist for Use during Installation of Scrubber at Construction Site
8. Khairul Fahzan Salleh, Executive Master in Occupational Safety and Health Management (Main supervisor, June 2015)  
Analisis Keselamatan Pekerjaan dalam kalangan Pensyarah Kejuruteraan Politeknik akibat Tekanan Kesihatan dari Pertambahan Beban Tugas
9. Mohd. Azmi Mohd. Dzaki, MSc in Engineering Business Management (Main supervisor, August 2014)  
Lean Online Marketing System and Strategies for Tourism Industry
10. Wan Asmizan Wan Hussin, MSc in Project Management (Main supervisor, December 2013)  
Just In Time Approach for the Reinforcement Works towards Project Management Improvement
11. Ahmad Nuri Abu Samah, MSc in Project Management (Main supervisor, December 2013)  
Efficiency of Quality Management in Klang Valley Mass Rapid Transit (KVMRT) Project Package V2
12. Ahmad Fikri Mohamed Omar, MSc in Project Management (Main supervisor, December 2013)



- Potential Innovation of an Energy Efficient Building: Kolej Komuniti Bayan Baru
13. Azlan Othman, MSc in Project Management (Main supervisor, August 2014)  
Delay in Government Project Delivery in Kedah
  14. Ahmad Abdul Nadzir Romli, MSc in Project Management (Main supervisor, August 2014)  
Effectiveness of Quality Management System in Malaysian Public Service Organisation
  15. Shamin Nakhat, MSc in Engineering Business Management (Main supervisor, August 2014)  
Risk Factors in Iranian Residential Project Delivery
  16. Elvin Vijaya Kumar a/l M.Karunnanithi, Executive Master in Occupational Safety and Health Management (Co-supervisor, August 2014)  
Enhancing Behavioural Based Safety at Workplace by Penalty and Reward System (Project TPM)
  17. Kamaruzaman Shaari, MSc in Engineering Business Management (Co-supervisor, August 2014)  
Problems of Lean Management in New Product Introduction of Malaysian Automotive Industry
  18. Siti Mazlina Zarmani, MSc in Sustainable Urban Design (Co-supervisor, December 2013)  
The Design of Pedestrian Friendly Commercial Street in Kuala Lumpur
  19. Suhaila Abd. Rashid, MSc in Sustainable Urban Design (Co-supervisor, December 2013)  
Safety of Light Rail Transit Setting from Women's Perception
  20. Elnaz Esfandfard, MSc in Sustainable Urban Design (Co-supervisor, August 2014)  
Comfort Level of Urban Streets for Disabled People
  21. Muhammad A. Muhammad, MSc in Sustainable Urban Design (Co-supervisor, August 2014)  
Role of Mosque in Influencing Vitality of Public Realms
  22. Elena Moezzi, MSc in Sustainable Urban Design (Co-supervisor, August 2014)  
Comfort Level of Street in Urban Renewal Programme

### ***On-Going PhD Student (19 nos)***

#### **Student's Name (Supervision Status, Expected Year of Graduation)**

1. Mohsein Rajab Alipour (Main supervisor, May 2020)  
Framework of Risk for Disaster Management in Residential Construction Projects
2. Tee Hooi Kee (Main supervisor, March 2021)  
Framework of Organisational Cultures for Sustainable Construction Practices among Malaysian Developer Firms
3. Nazirul Fariq Mohd. Kassim (Main supervisor, March 2021)  
Cost Risk Management for Railway Construction in Malaysia
4. Ainarull Asikin Abdul Hadi (Main supervisor, September 2020)  
Framework of Project Performance in Housing Construction Projects in Malaysia
5. Nur Fatin Syazwani Abu Bakar (Main supervisor, September 2020)  
Sustainable Construction for Mega Infrastructure Projects in the Malaysian Construction Industry
6. Sezai Karaosmanoglu (Main supervisor, September 2019)  
Price Movements in Commercial Residential Projects of Cambodia
7. Mohammad Amrullah Fachruddin (Main supervisor, September 2019)  
Delay Mitigation Framework for Langkat 2 Package 10 Water Pipeline Construction Project
8. Elnaz Talebi (Main supervisor, September 2019)  
Framework of Green Human Resource Management Practices in the Malaysian Construction Industry
9. Mohd. Hafis Ahmad (Main supervisor, September 2019)  
Change Management Framework for Public Organisation in Malaysia
10. Azlan Othman (Main supervisor, February 2018)  
Framework of Knowledge Management Practice amongst Malaysian Consultant in Construction Industry
11. Maksat Omarov (Main supervisor, February 2018)  
Framework of Countermeasuring Urban Traffic Congestion in Developing Southeastern Countries

12. Mohd. Izwan Abdul Rashid (Main supervisor, February 2018)  
Framework of Sustainable Construction Project Planning in the Malaysian Construction Industry
13. Nadzirah Zainordin (Main supervisor, September 2018)  
Framework of Sustainability Assessment Tools for Higher Education Institutions (HEI) in Malaysia
14. Lee Mao Rui (Main supervisor, September 2018)  
Key Performance Indicator (KPI) of Contractor on Project Performance for Housing Construction in Malaysia
15. Maryam Abolghasemi (Main supervisor, September 2018)  
Framework for Improving Residential Construction Project Performance through Stakeholder Satisfaction in Malaysia
16. Dilagar Muthumani Chockalingam (Co-supervisor, September 2018)  
Stock Obsolescence in Naval Inventory
17. Nurul Alifah Jatarona (Co-supervisor, September 2018)  
Performance of Public Construction Projects in Malaysia
18. Hotma Sitohang (Co-supervisor, January 2019)  
Sustainability in Construction Industry via Workers Training System Development in Indonesia
19. Tey Kim Hai (Co-supervisor, September 2018)  
Criteria Success Factor of Coordination in Construction Industry

#### ***On-Going Industrial PhD Student (1 nos)***

##### **Student's Name (Supervision Status, Expected Year of Graduation)**

1. Gunalan Krishnan (Main supervisor, February 2019)  
Construction Risk Management for Biorefinery Development using Engineering, Procurement and Construction Contracting Strategy

#### ***Engineering Doctorate Student (3 nos)***

##### **Student's Name (Supervision Status, Expected Year of Graduation)**

1. S. Umeesh Kumar a/l Suppramaniam (Main supervisor, February 2019)  
Delay Mitigation Framework for the Construction Phase in Oil and Gas Projects in Malaysia
2. Sumitra Muniandy (Main supervisor, February 2019)  
Economic Framework of Optimised Fiscal Regime for Unlocking the Stranded Marginal Oil and Gas Fields
3. Davendren Vereya (Main supervisor, February 2019)  
Framework of Lean Integrated Project Delivery Method for Malaysian Petroleum Industry

#### **POSTGRADUATE EXAMINATION /VIVA**

##### **UTM STUDENTS/VIVA**

1. Assistant Chairman for PhD Viva of Farahiyah Mustafa, Faculty of Electrical Engineering, UTM JB on March 18, 2014 (2014)
2. Assistant Chairman for PhD Viva of Mastura Shafinaz, Faculty of Electrical Engineering, UTM JB on March 18, 2014 (2014)
3. Project assessment panel for PhD Research Proposal Defence, UTM RAZAK School of Engineering and Advanced Technology (2013-present)
4. Project assessment panel for Engineering Doctorate Research Proposal Defence, UTM RAZAK School of Engineering and Advanced Technology (2013-present)
5. Project assessment panel for Master Research Proposal Defence, UTM RAZAK School of Engineering and Advanced Technology (2013-present)
6. Invited speaker for Project Management MDE2583, Master of Science in Engineering Business Management, UTM RAZAK School of Engineering and Advanced Technology (2013)

7. Evaluation panel for thesis proposal defense, Faculty of Built Environment, UTM Skudai Semester 2 2012/2013 Session (2013)
8. Chairperson for PhD Research Proposal Defence of UTM RAZAK School of Engineering and Advanced Technology (2014-present)
9. Panel reviewer for PhD Research Proposal Defence of UTM RAZAK School of Engineering and Advanced Technology (2014-present)
10. Chairperson for MPhil Research Proposal Defence of UTM RAZAK School of Engineering and Advanced Technology (2014-present)
11. Panel reviewer for MPhil Research Proposal Defence of UTM RAZAK School of Engineering and Advanced Technology (2014-present)

## **PUBLICATIONS AND PAPER PRESENTED (193 nos)**

### **BOOK CHAPTER (6 nos)**

1. Nur Effarini Barom and Syuhaida Ismail (2016). Job Satisfaction amongst Multigenerational Engineers in Malaysian Construction Consultancy. *Engineering Business Management: Exploring Issues and Challenges*. Kuala Lumpur: Pustaka Sistem Pelajaran Sdn. Bhd.
2. Hadey Madera A. Khamid, Shamsul Sarip, Mohamad Zaki Hassan and Syuhaida Ismail (2016). Job Satisfaction among Simulation Operators at Wargaming Simulation Centre of Malaysian Armed Forces. *Engineering Business Management: Exploring Issues and Challenges*. Kuala Lumpur: Pustaka Sistem Pelajaran Sdn. Bhd.
3. Mohamad Zaki Hassan and Syuhaida Ismail (2016). Weapon Hazard Awareness and Risk Assessment among Military Personnel. *Managing Risk in the Workplace*. Kuala Lumpur: Pustaka Sistem Pelajaran Sdn. Bhd.
4. Mohammad Noor Abdullah and Syuhaida Ismail (2016). Reduction of Road Accident amongst the Malaysian Army. *Occupational Safety and Health: Issues and Challenges*. Kuala Lumpur: Pustaka Sistem Pelajaran Sdn. Bhd.
5. Aminah Md. Yusof and Syuhaida Ismail (2014). Private Finance Initiative in Malaysia. *Emerging Issues on Sustainable Urban Development*. Pp 72-86. ISBN 978-3-659-60921-3. Germany: LAP Lambert Academic Publishing.
6. Syuhaida Ismail (2011). An Introduction to Research in Key Performance Indicators for Private Finance Initiative in Malaysia: Monitoring the Performance of Public Infrastructure Project Provision. Pp 1-18. ISBN 978-3843392471. Germany: LAP Lambert Academic Publishing.

### **JOURNAL (88 nos)**

1. Khairul Zahreen Mohd Arof, Syuhaida Ismail and Abd Latif Saleh (2018). Critical Success Factor towards the Efficiency of Contractor's Performance Appraisal System in the Malaysian Construction Industry. *Indian Journal of Public Health Research and Development*. IJPHRD. **Scopus Index**. DOI: 10.5958/0976-5506.2018.01622.4. ISSN: 0976-0245. E-ISSN: 0976-5506. INDIA: Institute of Medico-Legal Publications.
2. Umeesh Kumar Suppramaniam and Syuhaida Ismail (2018). Effects of Delay in Construction Phase of Oil and Gas Projects in Malaysia. *Journal of Advanced Research in Business and Management Studies*. 13(1), pp 31-38. ISSN: 2462-1935. Malaysia: Penerbit Akademia Baru.
3. Izwan Rashid, Syuhaida Ismail, Zainai Mohamed, Basyarah Hamat and Wan Nurul Mardiah wan Mohd Rani (2018). Managing Multi-Criteria Contractor Selection for Public Construction Project in Malaysia. *An International Journal of Computer Applications in Technology (IJACT)*. **Scopus Index**. 7(11), pp. ISSN: 2320-0790. DOI: <http://dx.doi.org/10.6084/ijact.v7i11.798>. India: COMPUSOFT.

4. Serdar Durdyev, Syuhaida Ismail, Ali Ihtiyar, Nur Fatin Syazwani Abu Bakar, Amos Darko (2018). A Partial Least Squares Equation Modeling (PLS-SEM) of Barriers to Sustainable Construction in Malaysia. *Journal of Cleaner Production*. 204, pp 564-572. **IF 3.398 in Web of Science and Scopus Index**. DOI: 10.1016/j.jclepro.2018.08.304. ISSN 0959-6526: 10 December 2018. USA: Elsevier Ltd.
5. Izwan Rashid, Syuhaida Ismail, Zainai Mohamed and Abd Latif Saleh (2018). Contractor Selection Criteria: A Study on Malaysian Public Construction Projects. *International Journal of Engineering & Technology*. 7(3), pp 65-70. **Scopus Index**. ISBN 2227-524X. UAE: Science Publishing Corporation Inc.
6. Nur Izzati Mohd Rani, Syuhaida Ismail, Zainai Mohamad, Afifuddin Husairi Hussain and Kambiz Ghafourian (2018). Local Contractors' Awareness on Competitiveness towards Liberalisation and Globalisation in the Malaysian Construction Industry. *Journal of Construction in Developing Countries*. **Scopus Index**. 23(1), pp 21-42. DOI: <https://doi.org/10.21315/jcdc2018.23.1.2>. Penang, Malaysia: Penerbit Universiti Sains Malaysia.
7. Mahdiyari, A., Armaghani, D. J., Marto, A. Nilashi, M., Ismail, S. (2018). Rock Tensile Strength Prediction Using Empirical and Soft Computing Approaches. *Bulletin of Engineering Geology and the Environment*. **Scopus Index**.
8. N Harudin, Khairur Rijal Jamaludin, M. Nabil Muhtazaruddin, Faizir Ramlie, Syuhaida Ismail, Wan Zuki Azman Wan Muhamad, N. N. Jaafar (2018). Increasing T-Method Accuracy through Application of Robust M-Estimator. *International Journal of Engineering & Technology*. 7(3), pp 44-48. **Scopus Index**. ISBN 2227-524X. UAE: Science Publishing Corporation Inc.
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