



Dr. CEng. A. B. M. SAIFUL ISLAM

ASSOCIATE PROFESSOR

Personal Data

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BIOGRAPHY

Dr. CEng. A. B. M. Saiful Islam has more than **20 (Twenty)** years of teaching, research and industrial experience in civil engineering while contributing to society in different capacities in Saudi Arabia, Malaysia and Bangladesh. He did his Post-Doc as a High Impact Research Bright Sparks (HIR BSP) and received Ph.D. in Structural Engineering with an excellence award from the Department of Civil Engineering, University of Malaya (UM), Malaysia (QS world ranking 65). Earlier he obtained M.Sc. in Structural Engineering and B.Sc. in Civil Engineering from Bangladesh University of Engineering and Technology (BUET). Dr. Saif teaches undergraduate/post-graduate courses in structural engineering and materials areas. He supervised and examined a number of Master & Ph.D. candidates. He worked as a structural engineer with different engineering firms. Dr. Saif is a Chartered Engineer (CEng), Engineering Council, United Kingdom and a member of numerous world-recognized engineering institutes. He is/was dealing with 9 highly financed research projects. His research interests include Nonlinear dynamics; Offshore structures; Structural retrofitting, Base isolation and Lightweight concrete. Dr. Saif authored 100+ referred publications. Currently, he is an Associate Professor in the Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University (IAU), Saudi Arabia. His involvement includes as Editor-in-Chief/Editor as well as reviewer of numerous Journals. He is engaged in consultancy of several industries and collaboration with copious renowned universities worldwide. He possesses excellent designing, planning, organizational ability, engineering-research software expertise and interpersonal skills.



Language Proficiency

Language	Read	Write	Speak
Arabic	Good	Average	Average
English	Excellent	Excellent	Excellent
Bengali	Excellent	Excellent	Excellent
Malay	Good	Good	Average
Urdu	Good	Good	Excellent

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
April 2014- Dec 2015	Post-Doc in Structural Engineering & Materials	Malaysia	University of Malaya (UM), Kuala Lumpur 50603
23 January 2014	Doctor of philosophy in Structural Engineering	Malaysia	University of Malaya (UM), Kuala Lumpur 50603
05 July 2009	Master of Science in Structural Engineering	Bangladesh	Bangladesh University of Engineering & Technology (BUET), Dhaka 1000
07 August 2001	Bachelor of Science in Civil Engineering	Bangladesh	Bangladesh University of Engineering & Technology (BUET), Dhaka 1000

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

Post-Doc	Strengthening Structural elements for load and fatigue Development of lightweight concrete with waste materials
PhD	Nonlinear dynamic behaviour of fully coupled spar platform
Master	Evaluation of structural and economic implications of incorporating base isolator as earthquake protection device in buildings

Professional Record: (Beginning with the most recent)

Academic Experience:

Job Rank	Place and Address of Work			Date
Associate Professor	Imam Abdulrahman Bin Faisal University	Dammam	Saudi Arabia	15/06/2021- till date
Assistant Professor	Imam Abdulrahman Bin Faisal University	Dammam	Saudi Arabia	27/01/2016- 14/06/2021
HIR Post Doc	University of Malaya	Kuala Lumpur	Malaysia	01/04/2014 - 14/12/2015
Research Assistant	University of Malaya	Kuala Lumpur	Malaysia	29/07/2010 - 31/03/2014
Lecturer	Bhola Polytechnic Institute	Bhola	Bangladesh	21/12/2005 - 14/06/2010



Non-academic (Industrial) Experience:

Job Rank	Place and Address of Work			Date
Structural Engineer	Shamoli Tower Complex Ltd.	Dhaka	Bangladesh	01/09/2004-30/11/2005
Structural Engineer	M. Shahidul Islam & Consultants (MSIC)	Dhaka	Bangladesh	01/02/2002-21/08/2004

Consultancy:

Job Rank	Place and Address of Work			Date
Consultant Engineer	Mahe Building Design & Consultants, Bangladesh	Gazipur	Bangladesh	2005-till date
Consultant Engineer	Design Corner & Associates, Bangladesh	Dhaka	Bangladesh	2003-till date
Consultant	Uttara Holdings Ltd., Bangladesh	Dhaka	Bangladesh	2008-2015
Consultant	Crystal Land and Housing Ltd., Bangladesh	Dhaka	Bangladesh	2008-2011
Consultant	KB Huq & Company, Bangladesh	Dhaka	Bangladesh	2005-2010
Consultant	Cosmo Erecting System, Bangladesh	Dhaka	Bangladesh	2006-2007
Consultant	Turn Developer, Bangladesh	Dhaka	Bangladesh	2004-2007

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Head, Department of Civil Technology	Bhola Polytechnic Institute, Bhola, Bangladesh	30/04/2007- 31/05/2009
Head, Department of Civil Technology	Bhola Polytechnic Institute, Bhola, Bangladesh	18/08/2006–16/11/ 2006
Project-in-Charge	Shamoli Tower Complex Ltd., Shamoli, Dhaka-1207. Bangladesh	01/09/2004–30/11/2005
Project-in-Charge	Roshawa Spinning Mills Construction project, Gazipur, Bangladesh	01/02/2002- 31/07/2003

Areas of Expertise

Structural Engineering

- Structural Retrofitting
- Nonlinear dynamics
- Floating structures
- Seismic Base isolation
- Lightweight concrete
- Self-compacting concrete



Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

Book

1. Islam, A. B. M. S., Jameel, M., & Jumaat, M. Z. (2011). Boring, Sampling and Field Testing in Soil Investigation: *Saarbrücken, Germany: VDM Publishing House.*
2. Hussain, R. R., Islam, A. B. M. S., & Ahmad, S. I. (2010). Base Isolators as Earthquake Protection Devices in Buildings: *Saarbrücken, Germany: VDM Publishing House.*
3. Islam, A. B. M. S., Uddin, M. A., & Jameel, M. (2010). Recycling and Reclamation of Solid Waste: *Saarbrücken, Germany: VDM Publishing House.*

Book Chapters

4. Islam, A. B. M. S., Jameel, M., Jumaat, M. Z., & Salam, M. A. (2011). Energy resources at Malaysian sedimentary basins and spar platform as deep sea structure. Edited by: Yi Xie. *ISBN: 9780791859810, ASME Press, New York, USA.*

Innovation & Patents

5. Al-Kutti, W. A., Islam, A. B. M. S., & Nasir, M. (2019). Date palm ash based cement compositions. *United States Patent & Trademark office, U.S. Patent No. 10,221,097 B1, 05/3/2019.*

Articles in Academic Journals

2021

6. Islam, A. B. M. S., Al-Kutti, W., Nasir, M., Kazmi Z. A. and Sodangi, M. (2022), "Potential use of local waste and SWOT analysis for developing structural lightweight concrete", *Advances in Materials Research*, In press. (WOS/SCOPUS Cited Publication). (CiteScore=3.80)
7. Ahmed, S. F., Mofijur, M., Raza, N., Chowdhury, A. T., Chowdhury, S., Nahrin, M., Islam, A. B. M. S. and Ong, H. C. (2022), "Green approaches in synthesising nanomaterials for environmental nanobioremediation: Technological advancements, applications, benefits and challenges", *Environmental Research*, 204, 111967. DOI: <https://doi.org/10.1016/j.envres.2021.111967>. (WOS/SCOPUS Cited Publication). (IF=6.498, CiteScore=7.90)
8. Mofijur, M., Ahmed, S. F., Rahman, S. M. A., Arafat Siddiki, S. K. Y., Islam, A. B. M. S., Shahabuddin, M., Ong, H. C., Mahlia, T. M. I., Djavanroodi, F. and Show, P. L. (2021), "Source, distribution and emerging threat of micro- and nanoplastics to marine organism and human health: Socio-economic impact and management strategies",



Environmental Research, 195, 110857. DOI: <https://doi.org/10.1016/j.envres.2021.110857>. (WOS/SCOPUS Cited Publication). (IF=6.498, CiteScore=7.90)

9. Mofijur, M., Fattah, I. M. R., Alam, M. A., Islam, A. B. M. S., Ong, H. C., Rahman, S. M. A., Najafi, G., Ahmed, S. F., Uddin, M. A. and Mahlia, T. M. I. (2021), "Impact of COVID-19 on the social, economic, environmental and energy domains: Lessons learnt from a global pandemic", *Sustainable Production and Consumption*, 26, 343-359. DOI: <https://doi.org/10.1016/j.spc.2020.10.016>. (WOS/SCOPUS Cited Publication). (IF=5.032, CiteScore=6.70)

2020

10. Islam, A. B. M. S. and Sodangi, M. (2020), "Rubber bearing isolation for structures prone to earthquake - a cost effectiveness analysis", *Earthquakes and Structures*, 19(4), 261-272. DOI: <https://doi.org/10.12989/EAS.2020.19.4.261>. (WOS/SCOPUS Cited Publication). (IF=2.018, CiteScore=3.30)
11. Mofijur, M., Fattah, I. M. R., Islam, A. B. M. S., Rahman, S. A., Chowdhury, M. A., Alam, M. A. and Alhaz, U. M. (2020), "Relationship between Weather Variables and New Daily COVID-19 Cases in Dhaka, Bangladesh", *Sustainability*. 12(20), 8319. DOI: <https://doi.org/10.3390/su12208319>. (WOS/SCOPUS Cited Publication). (IF=3.251, CiteScore=3.90)
12. Islam, A. B. M. S. (2020). Computer aided Failure Prediction of Reinforced Concrete Beam. *Computers and Concrete*. 25 (1), 67-73. DOI: <https://doi.org/10.12989/cac.2020.25.1.067>. (WOS/SCOPUS Cited Publication). (IF=3.948, CiteScore=4.50)
13. Aziz, M. M. A., Kassim, K. A., Shokravi, Z., Jakarnii, F. M., Lieu, H. Y., Zaini, N., Tan, L. S., Islam, A. B. M. S., & Shokravi, H. (2020). Two-Stage Cultivation Strategy for Simultaneous Increases in Growth Rate and Lipid Content of Microalgae: A Review. *Renewable & Sustainable Energy Reviews*. 119, 109621. DOI: <https://doi.org/10.1016/j.rser.2019.109621> (WOS/SCOPUS Cited Publication). (IF=14.982, CiteScore=30.50)

2019

14. Hosen, M. A., Jumaat, M. Z., Alengaram, U. J., Sulong, N. H. R., & Islam, A. B. M. S. (2019). Structural performance of lightweight concrete beams strengthened with side-externally bonded reinforcement (S-EBR) technique using CFRP fabrics. *Composites Part B: Engineering*. 176, 107323. DOI: <http://doi.org/10.1016/j.compositesb.2019.107323> (WOS/SCOPUS Cited Publication). (IF=9.078, CiteScore=14.50)
15. Al-Kutti, W. & Islam, A. B. M. S. (2019). Potential design of seismic vulnerable buildings incorporating lead rubber bearing. *Buildings*. 9(2), 37.



DOI: <http://doi.org/10.3390/buildings9020037> (WOS/SCOPUS Cited Publication). (IF=2.648, CiteScore=4.20)

16. Al-Kutti, W., Islam, A. B. M. S. & Nasir, M. (2019). Potential use of date palm ash in cement-based materials. *Journal of King Saud University - Engineering Sciences*. 31(1), 26-31. DOI: <http://doi.org/10.1016/j.jksues.2017.01.004>. (SCOPUS Cited Publication). (CiteScore=8.20)

2018

17. Islam, A. B. M. S. (2018). Evaluation of story response in seismic prone building construction using high damping rubber bearing. *Revista de la Construcción*. 17(3), 354-364. DOI: <http://doi.org/10.7764/RDLC.17.3.354>. (WOS/SCOPUS Cited Publication). (IF=0.895, CiteScore=0.90)
18. Huda, M. N., Jumaat, M. Z., Islam, A. B. M. S. & Al-Kutti, W. (2018). Performance of high strength lightweight concrete using palm wastes. *IJUM Engineering Journal*. 19 (2), 30-42. DOI: <http://doi.org/10.31436/iiumej.v19i2.919>. (WOS/SCOPUS Cited Publication). (CiteScore=0.45)
19. Islam, A. B. M. S. (2018). Diminishing seismic effect on building by using bearing isolation. *IJUM Engineering Journal*. 19 (1), 59-71. DOI: <http://doi.org/10.31436/iiumej.v19i1.844>. (WOS/SCOPUS Cited Publication). (CiteScore=0.80)
20. Islam, A. B. M. S. & Al-Kutti, W. A. (2018). Seismic response variation of multistory base-isolated buildings applying lead rubber bearings. *Computers and Concrete*. 21 (5), 495-504. DOI: <http://doi.org/10.12989/cac.2018.21.5.495>. (WOS/SCOPUS Cited Publication). (IF=3.948, CiteScore=4.50)
21. Islam, A. B. M. S. (2018). Dynamic characteristics and fatigue damage prediction of FRP strengthened marine riser. *Ocean Systems Engineering*. 8 (1), 21-32. DOI: <http://doi.org/10.12989/ose.2018.8.1.021>. (WOS/SCOPUS Cited Publication). (CiteScore=1.80)
22. Al-Kutti, W., Nasir, M., Johari M. A. M., Islam, A. B. M. S., Manda A. A. A. & Blaisi N. I. A. (2018). An overview and experimental study on hybrid binders containing date palm ash, fly ash, OPC and activator composites. *Construction and Building Materials*. 159, 567-577. DOI: <http://doi.org/10.1016/j.conbuildmat.2017.11.017>. (WOS/SCOPUS Cited Publication). (IF=6.141, CiteScore=8.80)
23. Karim, M. R., Islam, A. B. M. S., Chowdhury F. I., Rehman S. K. U. & Islam M. R. (2018). Ready mixed concrete behavior of granulated blast furnace slag contained cement. *Computers and Concrete*. 21 (2), 139-147. DOI: <http://doi.org/10.12989/cac.2018.21.2.139>. (WOS/SCOPUS Cited Publication). (IF=3.948, CiteScore=4.50)



2017

24. Soeb M. R., Islam, A. B. M. S., Jumaat, M. Z., Ibrahim Z., Islam M. R. & Huda M. N. (2017). Hydrodynamic Response of Floating Coupled Spar Platform in Deep Water. *Procedia Engineering*. 194, 182-188. DOI: <http://doi.org/10.1016/j.proeng.2017.08.133>. (WOS/SCOPUS Cited Publication). (CiteScore=4.00)
25. Arifuzzaman, M., Najjar, M., Mahmud, M. N., Islam, A. B. M. S., Khan, I. & Ali, M. M. (2017). Enhancing the properties of Marl soils for effective construction in Saudi Arabian region. *Engineering Journal*. 21(4), 111-126. DOI: <http://doi.org/10.4186/ej.2017.21.4.111>. (WOS/SCOPUS Cited Publication). (CiteScore=1.40)
26. Rahman, M. M., Jumaat, M. Z., & Islam, A. B. M. S. (2017). Weight Minimum Design of Concrete Beam Strengthened with Glass Fiber Reinforced Polymer bar using Genetic Algorithm. *Computers and Concrete*. 19(2), 127-131. DOI: [10.12989/cac.2017.19.2.127](http://doi.org/10.12989/cac.2017.19.2.127). (WOS/SCOPUS Cited Publication). (IF=3.948, CiteScore=4.50)
27. Huda, M. N., Jumaat, M. Z., Islam, A. B. M. S., Darain K. M., Obaydullah M. & Hosen M. A. (2017). Palm oil industry's bi-products as coarse aggregate in structural lightweight concrete. *Computers and Concrete*. 19(5), 515-526. DOI: <http://doi.org/10.12989/cac.2017.19.5.515>. (WOS/SCOPUS Cited Publication). (IF=3.948, CiteScore=4.50)
28. Hosen, M. A., Jumaat, M. Z., Islam, A. B. M. S., & Mo K. H. (2017). Side-NSM Composite Technique for Flexural Strengthening of RC Beams. *Computers and Concrete*. 20(4), 439-448. DOI: <http://doi.org/10.12989/cac.2017.20.4.439>. (WOS/SCOPUS Cited Publication). (IF=3.948, CiteScore=4.50)
29. Soeb, M. R., Islam, A. B. M. S., Jumaat, M. Z., Huda, N. & Arzu, F. (2017). Response of nonlinear offshore spar platform under wave and current. *Ocean Engineering*. 144, 296-304. DOI: <http://doi.org/10.1016/j.oceaneng.2017.07.042>. (WOS/SCOPUS Cited Publication). (IF=3.795, CiteScore=5.60)
30. Islam, A. B. M. S., Soeb, M. R., & Jumaat, M. Z. (2017). Floating spar platform as an ultra-deep water structure in oil and gas exploration. *Ships and Offshore Structures*. 12(7), 923-936. DOI: <http://doi.org/10.1080/17445302.2015.1112179> (WOS/SCOPUS Cited Publication). (IF=1.977, CiteScore=3.30)

2016

31. Huda, M. N., Jumaat, M. Z., Islam, A. B. M. S. & Soeb, M. R. (2016). Influence of palm oil factory wastes as coarse aggregate species for high performance lightweight concrete. *Revista de la Construcción*. 15(3), 133-139. DOI: <http://doi.org/10.4067/s0718-915x2016000300013>. (WOS/SCOPUS Cited Publication). (IF=0.895, CiteScore=0.90)



32. Huda, M. N., Jumaat, M. Z. & Islam, A. B. M. S. (2016). Flexural performance of reinforced oil palm shell & palm oil clinker concrete (PSCC) beam. *Construction and Building Materials*. 127, 18-25. DOI: <http://doi.org/10.1016/j.conbuildmat.2016.09.106>. (WOS/SCOPUS Cited Publication). (IF=6.141, CiteScore=8.80)
33. Hosen, M., Jumaat, M., Alengaram, U., Islam, A. B. M. S. & bin Hashim, H. (2016). Near Surface Mounted Composites for Flexural Strengthening of Reinforced Concrete Beams. *Polymers*. 8(3), 67. DOI: <http://doi.org/10.3390/polym8030067>. (WOS/SCOPUS Cited Publication). (IF=4.329, CiteScore=4.70)
34. Hosen, M. A., Jumaat, M. Z., Islam, A. B. M. S., Obaydullah, M., Darain, K. M. & Huda, M. N. (2016). Investigation on Energy Absorption Capacity of Reinforced Concrete Beams by the Near-Surface Mounted Technique Using Ductile Materials. *Science of Advanced Materials*. 8(8), 1536-1546. DOI: <http://doi.org/10.1166/sam.2016.2757>. (WOS/SCOPUS Cited Publication). (IF=1.474, CiteScore=2.90)
35. Rahman, M. M., Jumaat, M. Z., Hosen, M. A. & Islam, A. B. M. S. (2016). Effect of adhesive replacement with cement mortar on NSM strengthened RC Beam. *Revista de la Construcción*. 15(1), 61-72. DOI: <http://doi.org/10.4067/S0718-915X2016000100006>. (WOS/SCOPUS Cited Publication). (IF=0.895, CiteScore=0.90)
36. Hosen, M. A., Jumaat, M. Z., Islam, A. B. M. S., Darain, K. M. u. & Rahman, M. M. (2016). Flexural Performance of Reinforced Concrete Beams Strengthened by a New Side Near-Surface Mounted Technique Using Carbon Fibre-Reinforced Polymer Bars: Experimental and Analytical Investigation. *Science of Advanced Materials*, 8(4), 726-740. DOI: <http://doi.org/10.1166/sam.2016.2656>. (WOS/SCOPUS Cited Publication). (IF=1.474, CiteScore=2.90)
37. Alam, M., Hussain, R. R. & Islam, A. B. M. S. (2016). Impact assessment of rainfall-vegetation on sedimentation and predicting erosion-prone region by GIS and RS. *Geomatics, Natural Hazards and Risk*. 7(2), 667-679. DOI: <http://doi.org/10.1080/19475705.2014.942387>. (WOS/SCOPUS Cited Publication). (IF=3.528, CiteScore=6.20)
38. Darain, K. M., Jumaat, M. Z., Islam, A. B. M. S., Obaydullah, M., Iqbal, A., Adham, M. I. & Rahman, M. M. (2016). Energy Efficient Brick Kilns for Sustainable Environment. *Desalination and Water Treatment*. 57(1), 105-114. DOI: <http://doi.org/10.1080/19443994.2015.1012335>. (WOS/SCOPUS Cited Publication). (IF=1.254, CiteScore=1.60)

2015

39. Islam, A. B. M. S., Jumaat, M. Z., and Hussain, R. R. (2015). Incorporation preference for rubber-steel bearing isolation in existing eminent building structure. *Computers and Concrete*. 16(4), 503-529. DOI: <http://doi.org/10.12989/cac.2015.16.4.503>. (WOS/SCOPUS Cited Publication). (IF=3.948, CiteScore=4.50)



40. Islam, A. B. M. S., Jumaat, M. Z., Ahmmad, R. and Darain, K. M. (2015). Retrofitting of vulnerable RC structures by base isolation technique. *Earthquakes and Structures*. 9(3), 603-623. DOI: <http://doi.org/10.12989/eas.2015.9.3.603>. (WOS/SCOPUS Cited Publication). (IF=2.018, CiteScore=3.30)
41. Hosen M. A., Jumaat M. Z. & Islam A. B. M. S. (2015). Inclusion of CFRP-Epoxy composite for End Anchorage in NSM-Epoxy Strengthened Beams. *Advances in Materials Science and Engineering*. Vol. 2015, Article ID 812797, 10 pages. DOI: <http://doi.org/10.1155/2015/812797>. (WOS/SCOPUS Cited Publication). (IF=1.726, CiteScore=2.30)
42. Hosen M. A., Jumaat M. Z. & Islam A. B. M. S. (2015). Side Near Surface Mounted (SNSM) Technique for Flexural Enhancement of RC Beams. *Materials & Design*. 83, 587-597. DOI: <http://doi.org/10.1016/j.matdes.2015.06.035>. (WOS/SCOPUS Cited Publication). (IF=7.991, CiteScore=13.00)
43. Jumaat, M. Z., Alengaram, U. J., Ahmmad, R., Bahri, S., & Islam, A. B. M. S. (2015). Characteristics of palm oil clinker as replacement for oil palm shell in lightweight concrete subjected to elevated temperature. *Construction and Building Materials*. 101, 942-951. DOI: <https://doi.org/10.1016/j.conbuildmat.2015.10.104>. (WOS/SCOPUS Cited Publication). (IF=6.141, CiteScore=8.80)
44. Darain, K. M., Jumaat, M. Z., Nazimuddin, S. M., Ahsan, A., Rashid, R., Aziz, M. M. A., Obaydullah M. & Islam, A. B. M. S. (2015). A review of the corrosion behavior of metallic heritage structures and artifacts. *Jurnal Teknologi*, 77(1), 205-218. DOI: <https://doi.org/10.11113/jt.v77.4222>. (WOS/SCOPUS Cited Publication). (CiteScore=1.40)
45. Hosen, M. A., Jumaat, M. Z., Islam, A. B. M. S., Kamruzzaman, M., Huda, M. N., & Soeb, M. R. (2015). Eliminating Concrete Cover Separation of NSM Strengthened Beam by CFRP End Anchorage. *Structural Engineering and Mechanics*. 56(6), 899-916. DOI: <https://doi.org/10.12989/sem.2015.56.6.899>. (WOS/SCOPUS Cited Publication). (IF=3.524, CiteScore=5.20)

2014

46. Islam, A. B. M. S., Ahmad, S. I., Jumaat M. Z., Hussain R. R. and Darain K. M. (2014). Efficient Design in Building Construction with Rubber Bearing in Medium Risk Seismicity: Case Study & Assessment. *Journal of Civil Engineering and Management*. 20(5), 621-631. DOI: <http://doi.org/10.3846/13923730.2013.801910>. (WOS/SCOPUS Cited Publication). (IF=2.957, CiteScore=5.40)
47. Munir, S., Hussain, R. R., & Islam, A. B. M. S. (2014). Parallel Framework for Earthquake Induced Response Computation of SDOF Structure. *Journal of Civil Engineering and Management*. 20(4), 477-484. DOI: <http://doi.org/10.3846/13923730.2013.801917>. (WOS/SCOPUS Cited Publication). (IF=2.957, CiteScore=5.40)
48. Islam, S. M., Hashim, R., Islam, A. B. M. S., and Kurnia, R. (2014). Effect of Peat on Physicomechanical Properties of Cemented Brick. *Scientific World Journal*. Vol. 2014,



- Article ID 328516, 8 pages. DOI: <http://doi.org/10.1155/2014/328516>. (WOS/SCOPUS Cited Publication). (IF=1.219, CiteScore=2.40)
49. Ahmmad, R., Jumaat, M. Z., Bahri, S., and Islam, A. B. M. S. (2014). Ductility performance of lightweight concrete element containing massive palm shell clinker. *Construction and Building Materials*. 63, 234-241. DOI: <http://doi.org/10.1016/j.conbuildmat.2014.04.022>. (WOS/SCOPUS Cited Publication). (IF=6.141, CiteScore=8.80)
 50. Islam, A. B. M. S., Hussain, R. R., Jumaat, M. Z. and Darain K. M. (2014). Implication of rubber-steel bearing nonlinear models on soft storey structures. *Computers and Concrete*. 13(5), 603-619. DOI: <http://doi.org/10.12989/cac.2014.13.5.603>. (WOS/SCOPUS Cited Publication). (IF=3.948, CiteScore=4.50)
 51. Kamruzzaman, M., Jumaat, M. Z., Sulong, N. H. R., and Islam, A. B. M. S. (2014). A Review on Strengthening Steel Beams using FRP under Fatigue. *Scientific World Journal*. Vol. 2014, Article ID 702537, 21 pages. DOI: <http://doi.org/10.1155/2014/702537>. (WOS/SCOPUS Cited Publication). (IF=1.219, CiteScore=2.40)
 52. Ahmmad, R., Jumaat, M. Z., Bahri, S. & Islam A. B. M. S. (2014). Effect of water-cement ratios on oil palm shell (OPS) lightweight concrete for ecofriendly construction. *International Journal of Advances in Computer Science and Its Applications*, 4(4), 246-249.
 53. Islam, M., Hashim, R., and Islam, A. B. M. S. (2014). Behavior of peat-added composite bricks in low cost building construction. *Materials Research Innovations*. 18(S6), 1-5. DOI: <http://doi.org/10.1179/1432891714Z.000000000921>. (WOS/SCOPUS Cited Publication). (IF=0.830, CiteScore=3.10)
 54. Darain, K. M., Ahsan, A., Islam, A. B. M. S., Obaydullah, M., and Rashid, R. S. (2014). Investigating the deterioration of an industrial heritage structure. *International Journal of Sustainable Materials and Structural Systems*, 1(3), 282-302. DOI: <http://doi.org/10.1504/IJSMSS.2014.062773>.

2013

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Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

2018

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Institution of Engineering and Technology, UK. DOI: <http://doi.org/10.1049/cp.2018.1396>. (SCOPUS Cited Publication)

85. Islam, A. B. M. S., Al-Kutti, W., Nasir, M., Alharbi F. S. & Alsaidan M. N. (2018, 22 - 23 April). Development of Lightweight Concrete Using Saudi Scoria Aggregate – A Preliminary Study. *Proceedings of the Smart Cities Symposium 2018 (SCS'18)*, University of Bahrain, Kingdom of Bahrain in collaboration with The Institution of Engineering and Technology, UK. DOI: <http://doi.org/10.1049/cp.2018.1393>. (SCOPUS Cited Publication)

2017

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2016

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2015

88. Soeb M. R., Islam, A. B. M. S., Jumaat, M. Z. and Huda M. N. (2015, 14 -15 December). Severe Wave Induced Characteristics of Deep Water Coupled Floating Spar Platform. *Proceedings of the First International Conference on Advances in Civil Infrastructure and Construction Materials (CICM 2015)*, MIST, Dhaka, Bangladesh.
89. Huda M. N., Jumaat, M. Z., Islam, A. B. M. S., and Soeb M. R., (2015, 14 -15 December). Ductility Performance of High Strength Lightweight Concrete Produced from a Mixture of Oil Palm Shell and Palm Oil Clinker Aggregates. *Proceedings of the First International Conference on Advances in Civil Infrastructure and Construction Materials (CICM 2015)*, MIST, Dhaka, Bangladesh.

2014

90. Jameel, M., Ahmad, S., Islam, A. B. M. S. and Jumaat, M. Z. (2014, 8-13 June). Wind induced nonlinear response of coupled spar platform. *Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering - OMAE, Volume 8A*, ASME 33rd International Conference on Ocean, Offshore and Arctic Engineering, (OMAE 2014-



23779), San Francisco, California. DOI: <http://doi.org/10.1115/OMAE2014-23779>. (WOS/SCOPUS Cited Publication). (CiteScore=0.90)

91. Ahmmad, R., Jumaat, M. Z., Bahri, S., and Islam, A. B. M. S. (2014, August 02-03). Effect of water-cement ratios on oil palm shell (OPS) lightweight concrete for ecofriendly construction. *Proceedings of the International conference on advances in civil and structural engineering (CSE-2014)*. IRED. Kuala Lumpur. Malaysia. DOI: <http://publications.theired.org/2823/>.
92. Hosen, M. A., Jumaat, M. Z., Darain, K. M. U., Obaydullah, M., & Islam, A. B. M. S. (2014, June 11-12). Flexural Strengthening of RC Beams with NSM Steel Bars. *Proceedings of the International Conference on Food, Agriculture and Biology (FAB-2014)*, Kuala Lumpur, Malaysia.

2013

93. Islam, S. M., Hashim, R., and Islam, A. B. M. S. (2013, November 13-14). Behaviour of peat-added composite bricks in low cost building construction. *Proceedings of the 1st International Conference on the Science and Engineering of Materials (ICoSEM 2013)*, Kuala Lumpur, Malaysia.

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95. Jameel, M., Ahmad, S., Khaleel M. & Islam, A. B. M. S. (2012, 17-22 June). Fully Coupled Nonlinear Dynamic Response of Spar Platform under Random Loads. *Proceedings of the International Offshore and Polar Engineering Conference*, 1004-1011, 22nd International Offshore and Polar Engineering Conference (ISOPE-2012-TPC-0756), Rhodes, Greece. DOI: <https://onepetro.org/ISOPEIOPEC/proceedings-abstract/ISOPE12/All-ISOPE12/ISOPE-I-12-174/12565>. (WOS/SCOPUS Cited Publication). (CiteScore=0.50)

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96. Islam, A. B. M. S., Jameel, M., Jumaat, M. Z., & Salam, M. A. (2011, August 26-27). Energy resources at Malaysian sedimentary basins and spar platform as deep sea structure. *Proceedings of the 3rd International Conference on Mechanical and Electrical Technology (ICMET 2011)*, Dalian, China.



97. Jameel, M., Ahmad, S., Islam, A. B. M. S., & Jumaat, M. Z. (2011, 19-24 June). Nonlinear analysis of fully coupled integrated Spar-mooring line system. *Proceedings of the International Offshore and Polar Engineering Conference*, 198-205, 21st International Offshore and Polar Engineering Conference, (ISOPE-2011), Maui, Hawaii, USA. (WOS/SCOPUS Cited Publication). (CiteScore=0.50)
98. Jumaat, M. Z., Jameel M. & Islam, A. B. M. S. (2011, December 25-27). Nonlinear dynamic coupled behaviour of integrated spar-mooring system in deep water region. IEEC-11-059. *Proceedings of the International Engineering education Conference*, Madina, Kingdom of Saudi Arabia.

2010

99. Islam, A. B. M. S., & Ahmad, S. I. (2010, 11-13 January). Isolation System Design for Buildings in Dhaka: Its Feasibility and Economic Implication. *Proceedings of the Conference on Engineering Research, Innovation and Education*, Sylhet, Bangladesh.
100. Islam, A. B. M. S., Ahmad, S. I., & Al-Hussaini, T. M. (2010, 5-6 March). Effect of Isolation on Buildings in Dhaka. *Proceedings of the 3rd International Earthquake Symposium*, Dhaka, Bangladesh.

Poster presentation:

101. Alshehri A. A., Alrashid Z. S., Almulhim M. M., Alsalamah T. A., Islam, A. B. M. S. & Al-Kutti, W. (2020, 14 May). Enhancing concrete performance using agricultural and mineral materials. Senior Design Project Presentation Day, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia.
102. Daniel Al-Shiakh D., Aiban A. B., Mansour A., Islam, A. B. M. S. & Al-Kutti, W. (2019, 16 April). Development of Waste Based Sustainable Lightweight Concrete For Saudi Arabian Construction. The College Harvest Day, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia.
103. Alwosibai A., Islam, A. B. M. S. & Al-Kutti, W. (2018, 19 April). Effect of silica fume and fly ash as a partial replacement of cement. The First Senior Design Project Presentation Day, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia.
104. Alsaidan M. N., Alharbi F. S., Islam, A. B. M. S. & Al-Kutti, W. (2018, 19 April). Eco Friendly and Sustainable Lightweight Concrete using Saudi Local Waste. The First Senior Design Project Presentation Day, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia.
105. Soeb, M. R., Jumaat, M. Z. and Islam, A. B. M. S., (2015, 27 May). Coupled dynamic analysis of ultra-deep water Spar platform. Engineering Postgraduate Day, Engineering Tower, Faculty of Engineering, University of Malaya, Kuala Lumpur, Malaysia.



106. Huda, M. N., Jumaat, M. Z. and Islam, A. B. M. S., (2015, 27 May). Combination of oil palm shell and palm oil clinker for production of structural lightweight concrete. Engineering Postgraduate Day, Engineering Tower, Faculty of Engineering, University of Malaya, Kuala Lumpur, Malaysia.

Workshop/Seminar attended:

1. "Building networks for researchers to upgrade research", Organized by Deanship of Library Affairs,, under the supervision of "Dr. Maysa Abdul Latif", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 23 November 2021.
2. "Building Researcher's Connections for Research Visibility and Advancement", Organized by Deanship of Library Affairs,, under the supervision of "Ms. Ayesha Siddiqi", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 23 November 2021.
3. "Advancing academic research and innovation in the Kingdom of Saudi Arabia", Saudi Arabia Virtual Research Forum, Organized by Professional Services unit, Clarivate Analytics, Web of Science under the Moderating of "Dr. Ayman Akil", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 22 November 2021.
4. "Rapid Construction System With Aluminum Panels", Organized by Department of Civil & Construction Engineering, Under the supervision of "Director of Technical Support Services at Forsa", Colombian Engineer Santiago Martinez, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 17 November 2021.
5. "Academic supervision workshop", Organized by Deanship of Admission and Registration, Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 16 November 2021.
6. "Academic advising in College of Engineering", Organized by Deanship of Academic Affairs, under the supervision of "Dr. Deena Ababneh", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 7 October 2021.
7. "QAE Workshop", Organized by Deanship of Academic Affairs, under the supervision of "Dr. Ahmad Salah", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 5 October 2021.
8. "Internal auditing of the quality management system ISO 9001-2015 according to ISO 19011-2011 – Guidelines for Auditing Management Systems", Organized by Deanship of Quality and Academic Accreditation", under the supervision of "Dr. Abdul Qadir Madhvi", Online workshop, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 7 September 2021.
9. "Snagit Editor", Organized by Deanship of Information and Communication Technology", Online workshop, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 31 August 2021.
10. "Valuing Water", Organized by Saudi Chemical Society, under the supervision of "Prof. Dr. CEng. Isam Mohammed Abdel-Magid", Online workshop, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 8 April 2021.



11. "Construction and Demolition Waste Management in KSA: Transformation Towards Circular Economy", Organized by College of Engineering, under the patronage of the Saudi Ministry of Environment, Water and Agriculture (MEWA), the National Center for Waste Management (NCWM), and the Saudi Investment Recycling Company (SIRC), Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 7 April 2021.
12. "Vaccines preparation methods: TF-epitope based vaccine using C-disaccharide as an example", Organized by College of Engineering, under the supervision of "Dr. Loay Awad", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 9 March 2021.
13. "Copying content in Blackboard", Organized by eLearning unit, College of Engineering, under the supervision of "Dr. Abdul Karim Jabali", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 24 January 2021.
14. "The Future of Hydrogen and Fuel Cell in the Arab countries by AREC", Organized by College of Engineering, under the supervision of "Muhammed Ali Taani", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 10 November 2020.
15. "IEP -SAC -EP Webinar November 10th, 2020", Organized by College of Engineering, under the supervision of "Dr. Muhammad Farhan", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 10 November 2020.
16. "Integrating Critical Thinking in Academic Curriculum", Organized by Deanship of Academic Development, under the supervision of "Dr. Ali Bawaneh", College of Engineering, Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 15 October 2020.
17. "Providing Constructive Feedback", Organized by Deanship of Academic Development, under the supervision of "Dr. Philline Deraney", College of Engineering, Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 12 October 2020.
18. "To work towards an integrative partnership to accelerate scientific research and discoveries", Organized by Deanship of Library Affairs,, under the patronage of "Dr. Hamad Bin Muhammad Al-Shi, Minister of Education, Kingdom of Saudi Arabia", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 30 September 2020.
19. "eLearning: Challenging Opportunities 2020", Organized by eLearning unit, College of Engineering, under the supervision of "Dr. Abdul Karim Jabali", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 30 August 2020.
20. "Biochar/LDH composites as emerging adsorbents for water purification: Progress and challenges", Organized by Carbon European Training Network, UK Biochar Research Centre (UKBRC) under the supervision of "Engr. Mukarram Zubair", Online workshop, University of Edinburgh, United Kingdom, 23 July 2020.
21. "Publication forms in Gulf states: Trends and dynamics across research categories", Organized by Professional Services unit, Clarivate Analytics, Web of Science under the supervision of "Dr. Ayman Akil", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 24 June 2020.



22. "Scopus Indexing and Journal Hosting Webinar", Organized by Customer Consultant Research Intelligence and Digital Commons, Elsevier under the supervision of "Wael Mansour and Mohamed Moawad ", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 18 June 2020.
23. "Avoid predatory publishing using Scopus & SciVal", Organized by Customer Consultant Research Intelligence, Elsevier under the supervision of "Lucia Schoombe and Dr. Yehia Eissa", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 04 June 2020.
24. "Scopus for Literature Searching and Research Impact", Organized by Deanship of Library Affairs, under the supervision of "Dr. Shafiq Ur Rehman", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 07 May 2020.
25. "Managing References and Literature with Mendeley", Organized by Deanship of Library Affairs, under the supervision of "Mr. Shakil Ahmad", Online workshop, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 07 May 2020.
26. "Endnote Online-Collect, Manage, Share & Format your References", Organized by Vice Presidency for Higher Studies and Scientific Research, under the supervision of "Mr. Lulian Herciu, Clarivate Analytics", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 22 April 2020.
27. "Managing Literature and References with Mendeley", Organized by Deanship of Library Affairs, under the supervision of "Mr. Shakil Ahmad", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 22 April 2020.
28. "Bringing Sustainable Development Goal 6 to Life", Organized by Continuous Education Committee, under the supervision of "Prof. Robert Kalin, University of Strathclyde, UK", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 31 March 2020.
29. "Lecture by Academic Vice Deanship", Organized by Vice Deanship for Academic Affairs,, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 09 March 2020.
30. "Assessing Projects and Labs", Organized by Deanship of Academic Development, under the supervision of "Dr. Marzoq Bataineh" College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 03 March 2020.
31. "Key Principles of Circular Economy", Organized by Continuous Education Committee, under the supervision of "Dr. Elsa João, University of Strathclyde, UK", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 25 February 2020.
32. "Building researcher's connections for research visibility & advancement", Organized by Deanship of Library Affairs, under the supervision of "Mr. Shakil Ahmad", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 18 February 2020.
33. "Integrating Critical Thinking in the Academic Curriculum", Organized by Deanship of Academic Development, under the supervision of "Dr. Ahmed Hassan", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 11 February 2020.



34. "Teaching to Improve Students' Interpersonal and Responsibility Skills", Organized by Deanship of Academic Development, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 3 December 2019.
35. "Interactive Teaching and Student Engagement", Organized by Deanship of Academic Development, under the supervision of "Dr. Marzoq Bataineh" College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 26 November 2019.
36. "Open Engineering Day", Organized by College of Engineering and Saudi Council of Engineers, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 19 November 2019.
37. "Important Meeting Regrading the New Policy for Registration and Academic Advising", Organized by Vice Deanship for Academic Affairs, under the supervision of "Dr. Osama Abuhajar & Dr. Alaa Salman", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 12 November 2019.
38. "Role of Simulation and Data Analytics: Cutting Edge Applications", Organized by Transportation & Traffic Engineering Department , under the supervision of "Dr. Muhammad Farhan & Engr. Ahmad Aftab", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 5 November 2019.
39. "Changes in ABET Assessment Criteria", Organized by Quality and Assessment Committee , under the supervision of "Dr. Farooq Saeed", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 5 November 2019.
40. "Empower Your Lecture: Making Your Lecture Planning Active", Organized by Deanship of Academic Development, under the supervision of "Dr. Ahmed Hassan", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 29 October 2019.
41. "Workshop on IAU's Strategic Plan", Organized by Deanship of Community Service and Sustainable Development, under the supervision of "Dr. Abdullah Alkadi, Vice President for Studies, Development and Community Service", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 20 October 2019.
42. "How to pass the Professional Engineer Exam for the First Time", Organized by College of Engineering, under the supervision of "Saudi Council of Engineers", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 15 October 2019.
43. "Advances in Brain-Computer Interfaces with Novel EEG Sensing Technology", Organized by Vice Deanship of Training and Community Service, under the supervision of "Dr. Saleh Alzahrani", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 08 October 2019.
44. "Rubrics Development", Organized by Deanship of Academic Development, under the supervision of "Dr. Ahmed Hassan", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 01 October 2019.
45. "Assessment foundations", Organized by Deanship of Academic Development, under the supervision of "Dr. Ahmed Hassan", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 24 September 2019.



46. "Understanding student evaluation for continuous quality improvement", Organized by Deanship of Quality and Academic Accreditation, under the supervision of "Dr. Arun Vijoy Subbarayalu", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 09 April 2019.
47. "Quantum Chromodynamics at Five Trillion Degrees Kelvin" under supervision of "Prof Michael Strickland" from Kent State University, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 09 April 2019.
48. "Education Cafe", Organized by Deanship of Academic Development, under the supervision of "Dr. Marzoq Bataineh", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 19 March 2019.
49. "2nd Solar and Wind Energy Symposium and Exhibition" on Renewable Energy Training – A National Need, hosted by the Department of Mechanical and Energy Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 12–13 March 2019.
50. "Preventing faculty burnout: recover the joy of teaching", Organized by Deanship of Academic Development, under the supervision of "Dr. Marzoq Bataineh", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 26 February 2019.
51. "Course & field Experience reports", Organized by Deanship of Quality and Academic Accreditation, under the supervision of "Dr. Mohamed Gibreel", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 05 February 2019.
52. "Say it like you mean it: communication skills for instructors", Organized by Deanship of Academic Development, under the supervision of "Dr. Marzoq Bataineh", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 29 January 2019.
53. "Students scientific posters section of the Faculty of Engineering from all departments" Organized by College of Engineering under the supervision of the "Department of Mathematics of Basic Sciences", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 11 December 2018.
54. "Facilitating metacognition in the classroom" Organized by Deanship of Academic Development under the supervision of "Philline Deraney", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 04 December 2018.
55. "Effective Use of the Bank's Platform for Community Responsibility." under the supervision of the "Deanship of Community Service and Sustainable Development", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 27 November 2018.
56. "Using MCQs to test higher order -thinking skills ". Organized by Center for Quality of Assessment and Examinations under supervision of "Dr. Mohammed Al-Eraqi", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 20 November 2018.
57. "The pursuit of excellence in mentoring in higher education", Organized by Deanship of Academic Development, under supervision of "Dr. Marzoq Bataineh", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 06 November 2018.



58. "Alternative assessments", Organized by Deanship of Academic Development, under supervision of "Dr. Marzoq Bataineh", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 30 October 2018.
59. "Towards Developments of Eco-Friendly Bottle Symposium", Organized by Department of Environmental Engineering, under the auspices of Prof. Dr. Abdullah Al-Rubaish, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 29 April 2018.
60. "Studies on Adult Education", Organized by Deanship of Academic Development, under supervision of "Dr. Marzoq Bataineh", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 25 April 2018.
61. "Renewable Energy Education - A National Commitment", 1st Solar and Wind Energy Symposium & Exhibition", Organized by Department of Mechanical and Energy Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 23-24 April 2018.
62. "Terahertz Technology - Current trends and Potential Future", under supervision of "Dr. Ibraheem Al-Naib", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 10 April 2018.
63. "Research profile of Civil & Construction engineering: concrete research group", under supervision of "Dr. Walid Al-Kutti", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 10 April 2018.
64. "The 2nd Transportation and Traffic Engineering Day", Organized by Department of Transportation and Traffic Engineering, under the patronage of Prof. Dr. Abdullah Al-Rubaish, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 3 April 2018.
65. "Effective Strategies for Team Based Learning", Organized by Deanship of Education, under supervision of "Dr. Ahmed Hassan", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 20 March 2018.
66. "Engineering Database (Knovel)", Organized by Deanship of Library Affairs, under supervision of "Elsevier representative in the kingdom", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 13 March 2018.
67. "Principles of Questions Writing", Organized by Deanship of Academic Development, under supervision of "Dr. Marzoq Bataineh", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 13 February 2018.
68. "Assessing the 21st Century "Soft" Skills", Organized by Deanship of Academic Development, under supervision of "Dr. Marzoq Bataineh", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 29 November 2017.
69. "Safety awareness", Organized by Quality and Safety Committee under supervision of "Dr. Muhammad Saleem", College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 06 November 2017.
70. "Policies and Procedures of the University Counseling Center (UCC) & UCC Units ", Organized by University Counseling Center under supervision of "Dr. Mehmet Akkurt",



- College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 16 May 2017.
71. “Teaching your subject in English: making it understandable”, Organized by Deanship of Academic Development, under supervision of “Dr. Philline Deraney”, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 9 May 2017.
 72. “E-learning: blackboard keys and success stories”, Organized by Deanship of E-learning and distance learning under supervision of “Dr. Abdulkarim Aljabali”, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 2 May 2017.
 73. “21st Century Skills”, Organized by Deanship of Academic Development under supervision of “Dr. Marzoq Bataeineh”, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 18 April 2017.
 74. “KPI’s and Benchmarking”, Organized by Deanship of Quality and academic accreditation under supervision of “Dr. Moheel”, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 04 April 2017.
 75. “Risk Management Planning in higher education”, Organized by Deanship of Quality and academic accreditation under supervision of “Dr. Abdelgadir Mudawi”, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 21 March 2017.
 76. “Attract Students with your Power Point” Organized by Deanship of University Development under supervision of “Dr. Rania Abu-Baker”, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 21 February 2017.
 77. “Intellectual awareness”, Organized by College of Sharia and Law, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 14 February 2017.
 78. “Checklist of activities towards Academic Accreditation”, Organized by Deanship of Quality and Academic Accreditation, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 7 February 2017.
 79. “Community service bank system”, Organized by Deanship of Community Service, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 19 January 2017.
 80. “Learning difficulty among university students ”, Organized by University Counseling Center under supervision of “Dr. Ahmed Rababah”, College of Engineering, University of Dammam, Saudi Arabia, 20 December 2016.
 81. “Providing a Constructive Feedback”, Organized by Deanship of Academic Development under supervision of “Dr. Ahmed Hassan”, College of Engineering, University of Dammam, Saudi Arabia, 13 December 2016.
 82. “Modeling and simulations of traffic on the road network using a software package”, Presented by PTV Group, College of Engineering, University of Dammam, Saudi Arabia, 29 November 2016.
 83. “Traffic Innovation Using Microsimulation and Macrosimulation PTV Group Software”, Presented by PTV Group, College of Engineering, University of Dammam, Saudi Arabia, 29 November 2016.
 84. “Transportation day”, Department of Transportation and Traffic Engineering, College of Engineering, University of Dammam, Saudi Arabia, 29 November 2016.



85. “Student Engagement & Interactive Teaching”, Organized by Deanship of Academic Development under supervision of “Dr. Marzoq Bataineh”, College of Engineering, University of Dammam, Saudi Arabia, 22 November 2016.
86. “Traffic Accidents from the Engineering Point of View”, Scientific lecture by Dr. Abdullah bin Ibrahim Al-Humaidan (Hail University), College of Engineering, University of Dammam, Saudi Arabia, 30 October 2016.
87. “Larsen & Toubro –Overview and Market presence, Substation and Transmission line, Scope for young Graduate Engineers”, Seminar by Larsen and Toubro, an EPC company, College of Engineering, University of Dammam, Saudi Arabia, 18 October 2016.
88. “InCites: Performance and Evaluation: Reports generation”, TR-UOD Strategic Partnership Workshop Series 2016, Thomson Reuters, University of Dammam, Saudi Arabia, 04 May 2016.
89. “COMSOL Multiphysics 5.2”, College of Engineering, University of Dammam, Saudi Arabia, 26 April 2016.
90. “Bibliography search and publishing methodology”, Thomson Reuters Online workshop, University of Dammam, Saudi Arabia, 21 April 2016
91. “Bibliography management”, University of Dammam, Saudi Arabia, 21 April 2016.
92. “Design and synthesis of a novel class of polymers and their applications in corrosion inhibition, scaling control and environmental remediation”, College of Engineering, University of Dammam, Saudi Arabia, 19 April 2016.
93. “Stepping Strides along Scientific Research Road”, College of Engineering, University of Dammam, Saudi Arabia, 12 April 2016.
94. “The pursuit of Excellence in mentoring in higher education”, Organized by Deanship of Academic Development under supervision of “Dr. Marzoq Bataineh”, College of Engineering, University of Dammam, Saudi Arabia, 08 March 2016.
95. “Questioning strategies and leading discussion in classroom”, Organized by Deanship of Academic Development, College of Engineering, University of Dammam, Saudi Arabia, 09 February 2016.
96. ”Protocol for higher degree research (HDR):- technical skills, essential research software and benchmarks mindsets and habits of PhD candidates”, Centre for Innovative Construction Technology (CICT), University of Malaya, Kuala Lumpur, Malaysia on 29 December 2014.
97. “Fracture Analysis of Debonding Mechanism for FRP Plates”. Centre for Innovative Construction Technology (CICT), University of Malaya, Kuala Lumpur, Malaysia on 15 September 2014.
98. “Material properties necessary for strengthening”, Centre for Innovative Construction Technology (CICT), University of Malaya, Kuala Lumpur, Malaysia on 11 August 2014.
99. “Moment-Rotation theory (Theoretical and experimental analysis)”, Centre for Innovative Construction Technology (CICT), University of Malaya, Kuala Lumpur, Malaysia on 19~23 March 2012.
100. “From Journal to Thesis: How to Get Your Work Published”, Faculty of Engineering, University of Malaya, Kuala Lumpur, Malaysia on 20 April 2011.



101. "Computer Aided Project Management". Organized by The Institute of Engineers, Bangladesh on 06~08 July 2008.
102. "Introduction to Building Construction Regulations and Bangladesh National Building Code", Organized by Institute of Engineers, Bangladesh on 25~28 February 2008.
103. "Automatic Level Digital Theodolite Planimeter, Curvimeter", Organized by Directorate of Technical Education and Global Instruments Supply Company, Dhaka, Bangladesh on 14~18 May 2008.
104. "Total Station (Set 530 Rcf), Autocivil.Plus (Survey and Data Processing Software), Digital Level (Sdl 30)", Organized by Directorate of Technical Education and Millennium Syndicates, Dhaka, Bangladesh on 22~26 May 2008.

Ongoing Research Projects

Sustainability, Eco-Point and Performance of Green Lightweight Concrete using Saudi Local Waste. Principal Investigator, 01/05/2017-till date, SR 319375. Deanship of Scientific Research (DSR), 2017-212-Eng. Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia

Completed Research Projects

Production of green concrete using local date palm ash. Co-Investigator, 01/04/2017-till date, SR 42500. Deanship of Scientific Research (DSR), 2017-314-Eng. Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia

Enhancement of concrete properties made from local waste materials using Nano particles. Co-Investigator, 27/08/2015-27/08/2018, RM 70000. Geran Penyelidikan Universiti Malaya (UMRG), RG 037A-15AET. Kuala Lumpur, Malaysia

Fully coupled nonlinear dynamic analysis of Spar platform for efficient hydrocarbon exploration in Malaysian deep sea. Co-Investigator, 01/12/2014-30/11/2017, RM 147000. Fundamental Research Grant Scheme (FRGS), Government Fund, FP004-2014B. Ministry of Education, Kuala Lumpur, Malaysia

Strengthening Structural elements for load and fatigue. HIR Post-Doc, 01/10/2012-30/06/2016, RM 2.9 Million. High Impact research Grant (HIRG), H-16001-00-D000036. Ministry of Education, Kuala Lumpur, Malaysia

Wind induced response of offshore Spar platform, Research Assistant, 15/06/2012-14/06/2014, RM 120000. Geran Penyelidikan Universiti Malaya (UMRG), RG 140-12AET. Kuala Lumpur, Malaysia

Nonlinear finite element analysis and risk assessment of spar platform, Project Investigator, 01/01/2012-31/12/2013, RM 56100. Peruntukan Penyelidikan Pascasiswazah (PPP) Grant, PV052/2011B. Universiti Malaya, Kuala Lumpur, Malaysia



Nonlinear finite element analysis and risk assessment of spar platform, Project Investigator, 01/11/2010-31/10/2011, RM 1000. Peruntukan Penyelidikan Pascasiswazah (PPP) Grant, PS054/2010B. Universiti Malaya, Kuala Lumpur, Malaysia

Non-linear finite element analysis and reliability assessment of deep-water structures, Research Assistant, 01/05/2010-30/04/2012, RM 143000. Geran Penyelidikan Universiti Malaya (UMRG), RG 093-10AET. Kuala Lumpur, Malaysia

Program Developments

Bachelor of Science (B.Sc.) in Construction Engineering new degree plan 2018-2019. Department of Civil & Construction Engineering. Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia

Master of Science in Civil Engineering (M.Sc.) in Structures & Materials, 2017-2019. Department of Civil & Construction Engineering. Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia

Master of Science in Civil Engineering (M.Sc.) in Geotechnical Engineering, 2017-2019. Department of Civil & Construction Engineering. Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia

Master of Civil Engineering (M. Eng.) in Structures & Materials, 2017-2019. Department of Civil & Construction Engineering. Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia

Master of Civil Engineering (M. Eng.) in Geotechnical Engineering, 2017-2019. Department of Civil & Construction Engineering. Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia

Bachelor of Science (B.Sc.) in Civil Infrastructure Engineering, 2018-2019. Department of Civil & Construction Engineering. Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia

Bachelor of Science (B.Sc.) in Structural Engineering, 2018-2019. Department of Civil & Construction Engineering. Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia

Course Developments

Senior Design Project, CONEN 521 & CONEN 522, Bachelor of Science (B.Sc.) in Construction Engineering, 2017-2018. Department of Civil & Construction Engineering. Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia

Recent Topics in Construction Engineering, CONEN 534, Bachelor of Science (B.Sc.) in Construction Engineering, 2017-2018. Department of Civil & Construction Engineering. Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia



Technical Contributions

Development of NONLIN-COUPLE6D model for nonlinear coupled dynamic analysis of Floating Spar platform

Development of ultra-deep water Floating spar platform model for oil and gas exploration

Incorporation preference for rubber-steel bearing isolation in existing building structure

Efficient Design in Building Construction with Rubber Bearing in Medium Risk Seismicity

Implication of rubber-steel bearing nonlinear models on soft storey structures

Numerical solution of seismic induced pounding between neighbouring Multi-storey Structures

Simplified design guidelines for seismic base isolation in buildings for Bangladesh National Building Code (BNBC)

Inclusion of CFRP-Epoxy composite for Near Surface Mounted (NSM) Strengthening of RC Beam

Eliminating Concrete Cover Separation of NSM Strengthened Beam by CFRP End Anchorage

Innovation of Side-Near-Surface-Mounted (SNSM) Technique for Flexural Strengthening of RC Beam

Usage of palm oil clinker replacing oil palm shell in lightweight concrete subjected to elevated temperature

Ductility improvement of lightweight concrete element containing massive palm shell clinker

Assessment of water-cement ratios on oil palm shell (OPS) lightweight concrete for eco-friendly construction

Development of peat-added composite bricks for low cost building construction

Numerical simulation of Strengthening Steel Beams using FRP for Fatigue analysis

Weight Minimum Design of Glass Fiber Reinforced Polymer (GFRP) bar Strengthened RC Beam by Genetic Algorithm

Assessment of adhesive replacement with cement mortar on NSM strengthened RC Beam

Development of computer program for Concrete Mix Design



Development of computer program for Girder Design of a Highway Bridge

Implementation of “Computer aided Project Management” in construction industries

Expert Linkages

Research collaboration, University of Technology Sydney, NSW, Australia, 2020-till date (International)

Research collaboration, Dhofar University, Salalah, Sultanate of Oman, 2020-till date (International)

Research collaboration, University of Malaya (UM), Malaysia, 2014-till date (International)

Research collaboration, University of Bahrain (UoB), Bahrain, 2015-till date (International)

Research collaboration, Bangladesh University of Engineering and Technology (BUET), Bangladesh, 2009-till date (International)

Research collaboration, Universiti Teknologi PETRONAS (UTP), Malaysia, 2011-till date (International)

Research collaboration, Islamic University of Madinah, Kingdom of Saudi Arabia, 2021-till date (National)

Research collaboration, Prince Sultan University, Kingdom of Saudi Arabia, 2021-till date (National)

Research collaboration, King Saud University, Kingdom of Saudi Arabia, 2009-till date (National)

Research collaboration, King Fahd University of Petroleum and Minerals, Kingdom of Saudi Arabia, 2016-till date (National)

Research collaboration, Universiti Brunei Darussalam (UBD), Brunei Darussalam, 2014-2017, (International)

Research collaboration, COMSATS Institute of Information Technology, Pakistan, 2011-2016, (International)

Research collaboration, Hong Kong Polytechnic University, Hong Kong, 2011-2014, (International)



Contribution to Scientific Conferences and Symposia

Organizing Committee Member (OCM), to the “International Conference on Smart Infrastructure and Construction ” (Infrastructure 2018), Dubai, UAE, April 19-21, 2018

Scientific Committee Member, 1st International Conference on Advances in Civil Infrastructure and Construction Materials (CICM 2015). <http://mistceconf.org/>, Dhaka, Bangladesh, December 14-15, 2015

Conference Reviewer, 10th International Power Engineering and Optimization Conference (PEOCO 2016), Shah Alam, Malaysia, March 26 – 27, 2016

Conference Reviewer, International Conference on Agricultural, Food and Biological Engineering (ICAFBE 2012), Guangzhou, China, May 11-13, 2012

Conference Reviewer, 2nd International symposium on Mechanical Science and Technology (ISMST 2011), Guangzhou, China, December 20-21, 2011

Conference Reviewer, 3rd International Conference on Mechanical and Electrical Technology (ICMET 2011), Dalian, China, August, 26-27, 2011

Worked in seminar organizing Team, Centre for Innovative Construction Technology (CICT), “Protocol for higher degree research (HDR): - technical skills, essential research software and benchmarks mindsets and habits of PhD candidates”, University of Malaya, Kuala Lumpur, Malaysia on 29 December 2014.

Involved in seminar organizing Team, Centre for Innovative Construction Technology (CICT), “Fracture Analysis of Debonding Mechanism for FRP Plates”, University of Malaya, Kuala Lumpur, Malaysia on 15 September 2014.

Participated in seminar organizing Team, Centre for Innovative Construction Technology (CICT), Member, “Material properties necessary for strengthening”, University of Malaya, Kuala Lumpur, Malaysia on 11 August 2014.

Worked with workshop arrangement Group, Centre for Innovative Construction Technology (CICT), Member, “Moment-Rotation theory (Theoretical and experimental analysis)”, University of Malaya, Kuala Lumpur, Malaysia on 19~23 March 2012.

Assisted in ‘Computer Aided Project Management’. Organized by The Institute of Engineers, Bangladesh on 06~08 July 2008.

Participated in ‘Introduction to Building Construction Regulations and Bangladesh National Building Code’, Organized by The Institute of Engineers, Bangladesh on 25~28 February 2008.

Organized course on ‘Automatic Level Digital Theodolite Planimeter, Curvimeter’, through The Directorate of Technical Education and Global Instruments Supply Company, Dhaka, Bangladesh on 14~18 May 2008.



Organized course on ‘Total Station (Set 530 Rcf), Autocivil.Plus (Survey and Data Processing Software), Digital Level (Sdl 30)’, through The Directorate of Technical Education and Millennium Syndicates, Dhaka, Bangladesh on 22~26 May 2008.

Membership of Scientific and Professional Societies and Organizations

Chartered Engineer (CEng), Registration Number 648767

- Engineering Council, UK

Member

- Institution of Engineering and Technology (IET), UK
- American Society of Civil Engineers (ASCE), USA, Licensed Engineer
- American Concrete Institute (ACI), USA
- Structural Engineering Institute (SEI), USA
- Institution of Engineers Bangladesh (IEB), Bangladesh
- Saudi Arabia Section, ASCE, KSA
- International Society of Soil Mechanics and Geotechnical Engineers (ISSMGE), USA
- Construction Institute (CI), USA

Awards and Recognitions

Secured 1st position by the Senior Design Project students in the Green UHPC mix category at the Regional Competition on “Ultra High Performance Concrete (UHPC), King Fahd University of Petroleum and Mineral”, 2019

Secured 3rd position by the Senior Design Project students in the Normal UHPC mix category at the Regional Competition on “Ultra High Performance Concrete (UHPC), King Fahd University of Petroleum and Mineral”, 2019

Highest average publication per year in the College of Engineering, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia, 2019

Outstanding Innovation Award, Second position in the College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 2019

Outstanding Research Award, Third position in the College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 2019

First position in the Poster Presentation Competition in the Department of Civil & Construction Engineering by the Senior Design Project students at the First Senior Design Project Presentation Day, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 2018



Outstanding Research Award, Second position in the College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia, 2018

Highest average publication per year in the College of Engineering, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia, 2018

Outstanding Award of Appreciation handed by Dr. Abdullah Al-Rubaish (President, IAU) for the leading role in obtaining ABET Engineering Accreditation Commission for B.Sc. Construction Engineering program.

HIR Bright Sparks, High Impact Research Bright Sparks Programme (HIR BSP), University of Malaya, Kuala Lumpur, Malaysia, 2015

University of Malaya Excellence award in completion of Ph.D., University of Malaya, Kuala Lumpur, Malaysia, 2014

Graduate Research Assistantship Scheme (GRAS) in Ph.D. program, University of Malaya, Kuala Lumpur, Malaysia (2010–2013)

University Scholarship, Bangladesh University of Engineering and Technology (BUET), Bangladesh (1996-2001)

Jessore Education Board Scholarship, Ministry of Education, Bangladesh (1996-2001)

Jessore Education Board Scholarship, Ministry of Education, Bangladesh (1993-1994)

Junior Scholarship, Ministry of Education, Bangladesh (1990-1992)

Primary Scholarship, Ministry of Education, Bangladesh (1987-1989)

Best Student award at Patuakhali Govt. College, Bangladesh (1993-1994)

Best Student award at Nowmala High School, Patuakhali, Bangladesh (1987-1992)

Teaching Activities

Undergraduate

(Course Title), (Academic Session), (No of Student), (No of Contact Hours)

Analysis and Design of Reinforced Concrete Structure, CONEN 471, 2021/2022(1), 11, 64

Strength of Materials, ENG 351, 2021/2022(1), 25, 64

Senior Design Project, 2021/2022(1), 3, 32

Recent Topics in Construction Engineering, CONEN 534, 2020/2021(2), 15, 64



Concrete Materials, CONEN 332, 2020/2021(2), 13, 48

Senior Design Project, 2020/2021(2), 4, 32

Analysis and Design of Reinforced Concrete Structure, CONEN 471, 2020/2021(1), 13, 64

Topics in Structural Analysis, CONEN 573, 2020/2021(1), 12, 48

Senior Design Project, 2020/2021(1), 4, 32

Topics in Structural Analysis, CONEN 573, 2019/2020(Summer), 9, 48

Recent Topics in Construction Engineering, CONEN 534, 2019/2020(2), 33, 48

Concrete Materials, CONEN 332, 2019/2020(2), 24, 48

Topics in Structural Analysis, CONEN 573, 2019/2020(2), 15, 48

Senior Design Project, 2019/2020(2), 4, 64

Analysis and Design of Reinforced Concrete Structure, CONEN 471, 2019/2020(1), 12, 64

Topics in Structural Analysis, CONEN 573, 2019/2020(1), 21, 48

Senior Design Project, 2019/2020(1), 4, 32

Recent Topics in Construction Engineering, CONEN 534, 2018/2019(2), 16, 48

Concrete Materials, CONEN 332, 2018/2019(2), 16, 48

Senior Design Project, 2018/2019(2), 3, 64

Analysis and Design of Reinforced Concrete Structure, CONEN 471, 2018/2019(1), 17, 64

Topics in Structural Analysis, CONEN 573, 2018/2019(1), 2, 48

Senior Design Project, 2018/2019(1), 6, 32

Concrete Materials, CONEN 332, 2017/2018(2), 36, 48

Recent Topics in Construction Engineering, CONEN 534, 2017/2018(2), 12, 48

Senior Design Project, 2017/2018(2), 3, 64

Analysis and Design of Reinforced Concrete Structure, CONEN 471, 2017/2018(1), 11, 64

Analysis of Indeterminate Structures, CONEN 421, CONEN 573, 2017/2018(1), 12, 32

Senior Design Project, 2017/2018(1), 3, 32

Concrete Materials, CONEN 332, 2016/2017(2), 26, 48



Topics in Structural Analysis, CONEN 573, 2016/2017(2), 13, 24

Senior Design Project, 2016/2017(2), 6, 64

Analysis and Design of Reinforced Concrete Structure, CONEN 471, 2016/2017(1), 13, 80

Topics in Structural Analysis, CONEN 573, 2016/2017(1), 13, 24

Fundamentals of Soil Mechanics-CONEN431, 2016/2017(1), 13, 32

Senior Design Project, 2016/2017(1), 6, 32

Senior Design Project, 2015/2016(2), 3, 30

Structural analysis I, 2013/2014(1), 40, 9

Drawing for civil engineers, 2012/2013(2), 19, 16

Drawing for civil engineers, 2012/2013(1), 45, 16

Structural analysis I, 2012/2013(1), 52, 27

Structure analysis I, 2011/2012(2), 15, 27

Drawing for civil engineers, 2011/2012(2), 16, 20

Drawing for civil engineers, 2011/2012(1), 58, 36

Structural analysis I, 2011/2012(1), 48, 36

Structure analysis I, 2010/2011(2), 11, 30

Structural analysis I, 2010/2011(1), 11, 30

Drawing for civil engineers, 2010/2011(1), 45, 36

Estimating & Costing, 2009/2010 (2), 45, 84

Design of Structure-2, 2009/2010 (2), 30, 84

Industrial Training, 2009/2010 (1), 30, 252

Design of Structure-1, 2008/2009 (2), 41, 84

Construction Management, 2008/2009 (2), 41, 70

Design of Structure-2, 2008/2009 (2), 30, 84

Theory of structure, 2008/2009 (1), 41, 84

Construction Process-2, 2008/2009 (1), 41, 84



Industrial Training, 2008/2009 (1), 30, 252

Construction Process-1, 2007/2008 (2), 41, 84

Estimating & Costing, 2007/2008 (2), 41, 84

Design of Structure-1, 2007/2008 (2), 30, 84

Construction Management, 2007/2008 (2), 30, 70

Civil Engineering Drawing (CAD), 2007/2008 (1), 41, 98

Structural Mechanics, 2007/2008 (1), 41, 84

Theory of structure, 2007/2008 (1), 30, 84

Construction Process-2, 2007/2008 (1), 30, 84

Engineering Materials, 2006/2007 (2), 41, 70

Computer Application in Civil Engineering, 2006/2007 (2), 41, 84

Construction Process-1, 2006/2007 (2), 30, 84

Estimating & Costing, 2006/2007 (2), 30, 84

Civil Engineering Drawing, 2006/2007 (1), 41, 84

Civil Engineering Drawing (CAD), 2006/2007 (1), 30, 98

Structural Mechanics, 2006/2007 (1), 30, 84

Engineering Materials, 2005/2006 (2), 30, 70

Computer Application in Civil Engineering, 2005/2006 (2), 30, 84

Civil Engineering Drawing, 2005/2006 (1), 30, 84

**Brief Description (of a few) of Undergraduate Courses Taught in IAU:
(Course Code: Tile- Description)**

1	<p><i>ENG 351: Strength of materials</i></p> <p>Introduction to to properties of materials (shrinkage, thermal expansion and contraction, creep, ductility, hardness, etc..). Stresses, strains, and deformations associated with torsion, axial, shear, moment, flexural loading of shafts and beams. Basic failure criteria. Experimental determination of mechanical properties of concrete and steel as required for engineering applications. Principle stresses, maximum shear stresses, and their planes for a particular element states of stresses. Experimental verification of assumptions made in mechanics of materials procedures. Use of strain measuring devices. Verification of</p>
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	analytical equations through strain gage measurements of axially, flexurally, and torsionally loaded specimens. Preparation of technical reports.
2	<i>Topics in Structural Analysis-CONEN 573 (2020-2021)</i> Introduction to Structural Dynamic (Inertia force, damping force, stiffness force), Equation of motion (Undamped-Free Vibration, Undamped-Force Vibration, Damped-Free Vibration, Damped-Force Vibration), Lateral loads on high-rise buildings, International building codes for lateral loads, Structural systems for high-rise buildings, Stiffness method for analysis of structures (Beams, Frames and Truss), Modelling and analysis of building structure for lateral loads.
3	<i>CONEN 534: Recent Topics in Construction Engineering</i> Properties of cementitious materials. Admixtures, durability of concrete and transport properties of concrete. Deterioration problems in concrete structures in the Arabian Gulf. Corrosion of reinforcing steel. Inspection and Assessment of Concrete. Non-destructive tests of concrete structures. Cracking of concrete, Types, Assessment guidelines and case study.
4	<i>Topics in Structural Analysis-CONEN 573 (2019-2020)</i> Lateral loads on high-rise buildings, International building codes for lateral loads, Structural systems for high-rise buildings, Then focus on modern practical finite element methods for solids and fluids using physical explanations of the finite element methods. The analysis procedures are used extensively in the various fields of engineering and the sciences.
5	<i>Concrete Materials-CONEN 332</i> The influence of constituent materials (cements, water, aggregates and admixtures) on the properties of fresh and hardened concrete, concrete mix design, handling and placement of concrete, and the behavior of concrete under various types of loading and environment. Concrete material specifications and inspections. Laboratory exercises, which utilize sieve analysis tests for aggregates and standard concrete test methods, are an integral part of the course.
6	<i>Analysis and Design of Reinforced Concrete Structures-CONEN 471</i> Fundamentals and design theories based on ultimate strength design and elastic concept. Behavior of reinforced concrete members. Design philosophies and current practices. Load factors. Analysis and Design of reinforced concrete members subject to flexure, shear and diagonal tension. Design of flexural members (rectangular, T-beams sections). Design of floor systems. Design of continuous beams. Design of columns. Deflection and crack controls.
7	<i>Topics in Structural Analysis-CONEN 573 (2019)</i> Analysis of Indeterminate structures using moment distribution and slope deflection methods; Matrix structural analysis; Computer Applications to analyze beams, frames and trusses; Lateral loads on high-rise buildings; Structural systems for high-rise buildings; International building codes for lateral loads.
8	<i>CONEN 421: Analysis of Indeterminate Structures</i> Deflections of structures. Analysis of indeterminate structures, including beams, frames and trusses. Analysis to include methods of consistent deformations, three moment equations. Influence line for determinate and indeterminate structures.
9	<i>Fundamentals of Soil Mechanics-CONEN431</i> Origin and composition of soils, soil structure. Soil compaction, permeability, seepage and flow nets, consolidation and shear strength. Earth pressure on retaining walls and sheet piles. Stability of slopes and excavations. Mechanical tests: sieve analysis, permeability,



	resistance to shearing stress, consolidation/expansion. Index tests: granulometry, Atterberg limits, solid density, and water content. Rheologic tests: viscosity, yielding stress, deformation rate. Infrastructure for sampling and in-field testing.
10	<i>Topics in Structural Analysis-CONEN 573 (2017-2018)</i> Analysis of Indeterminate structures using moment distribution and slope deflection methods; Matrix structural analysis; Computer Applications to analyze beams, frames and trusses; Lateral loads on high-rise buildings; Structural systems for high-rise buildings; International building codes for lateral loads.
11	<i>Senior Design Project –CONEN 521 and 522</i> Final year students will conduct individual design project in a field of special interest under the supervision of a faculty member. This fulfills a requirement for the BS degree, which will culminate in a written report. The Graduation Project is divided between two semesters. Methodology is developed and pre-data are collected in the first semester. Experiments and case studies are conducted, data is analyzed, and conclusions are sought in the second semester.

Course Coordination

#	Course Title and Code	Coordinati on	Co-coordination	Undergr ad.	Postgra d.	From	to
1.	Fundamentals of Soil Mechanics, CONEN431		√	√		18 Sept 2016	1 Feb 2017

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1.	Senior Design Project CONEN 522	Seismic Analysis of Multi-Story Building	College of Engineering, University of Dammam	25 February, 2016

Student Academic Supervision and Mentoring

Final year thesis (Project Title), (Academic Session)

Completed

Development of high performance Arabic gum based mortar, 2021/2022

Effect of silica fume and Arabic gum on the development of self-compacting concrete, 2020/2021



Development of structural light weight concrete for sustainable construction in Saudi Arabia, 2019/2020

Development of waste based sustainable lightweight concrete for Saudi Arabian construction, 2018/2019

Eco Friendly and Sustainable Lightweight Concrete using Saudi Local Waste, 2017/2018

Potential of Lightweight concrete using Saudi local waste, 2017/2018

Effect of silica fume and fly ash as a partial replacement of cement, 2017/2018

An alternate approach for sustainable and eco-friendly building construction in Saudi Arabia, 2016/2017

Structural design of King Fahad Specialist Hospital, 2015/2016

Effect of damper on Pounding of adjacent buildings, 2011/2012

Pounding effect on base isolated multi-storied buildings, 2011/2012

Nonlinear finite element analysis of riser, 2010/2011

Analysis of pounding effects in buildings subjected to earthquake loading, 2010/2011

Earthquake analysis of a multi-storied building with soft storey, 2010/2011

Evaluation of load bearing capacity for different structural framing system of a multi-storied commercial building, 2009/2010

Efficiency of connection system using gusset plates and rivet in the steel truss, 2009/2010

Surplus cost investigation for water supply, sanitary works and internal electrification works on civil work of steel structure, 2009/2010

Design and analysis of multi-storied steel structure in coastal area, 2009/2010

Investigation on structural need on Highway Bridge, 2009/2010

Investigation on structural need on Culvert, 2009/2010

Investigation on sampling technique for building construction in coastal area, 2009/2010

Design and analysis of multi-storied residential building in coastal area, 2008/2009

Suitability of steel truss for workshop/ warehouse, 2008/2009

Study on load bearing capacity of different structural framing system of a multi-storied residential building, 2008/2009



Supplementary cost analysis due to water supply, sanitation and internal electrification works on civil work of multi-storied building, 2008/2009

Foundation design of multi-storied residential building in coastal area, 2008/2009

Study on reconnaissance survey at the riverside multi-storied building, 2008/2009

Design the alternative foundations for the building, 2008/2009

Optimization of foundation of multi-storey building, 2008/2009

Evaluation of Bachelor's degree Thesis:

Mohammed Muner Abu Ariha, Bachelor Candidate, (210019480), Thesis, Imam Abdulrahman Bin Faisal University, Saudi Arabia

Abdullah Syed As-Shaja, Bachelor Candidate, (2120003614), Title: Effect of Addition Of Local Palm Ash on the Mechanical Properties and Durability of Concrete, Thesis, University of Dammam, Saudi Arabia

Khaled Ali Al-Sahri, Bachelor Candidate, (2120006295), Title: Bond Evaluation of Reinforced Concrete Beam Using Ultra-Sonic Pulse Velocity Test, Thesis, University of Dammam, Saudi Arabia

Postgraduate

Scientific Lectures for Postgraduate Students

#	Activity/Course Title	Subject	College and University or Program	Date
1.	Thesis (PhD) Dissertation (Masters)	Simulation of strengthened beam: A part thereof	Department of Civil Engineering, University of Malaya, Kuala Lumpur, Malaysia	12 December, 2014
2.	Thesis (PhD) Dissertation (Masters)	A discussion to get our work published	Department of Civil Engineering, University of Malaya, Kuala Lumpur, Malaysia	20 December, 2013

Accomplished Postgraduate Courses

Advanced Design of Concrete Structure

Analysis and Design of Tall Buildings

Advanced Concrete Technology



Structural Dynamics and Seismic Design of Structure

Bridge Engineering

Finite Element Methods

Completed Supervision of higher degree candidature:

Master's Degree, Md. Mahmudur Rahman Soeb, Nonlinear Dynamic Response Prediction of Ultra Deep Water Spar Platform, December 2016, University of Malaya, Malaysia

Master's Degree, Md. Nazmul Huda, Study of flexural behaviour and flexural strengthening of oil palm shell and clinker concrete beam, January 2017, University of Malaya, Malaysia

Master's Degree, Md. Akter Hosen, Structural performance of RC beams Strengthened with NSM (Soffit and Side), July 2015, University of Malaya, Malaysia

Master's Degree, Rasel Ahmmad, Engineering properties of lightweight concrete containing a high volume of agricultural waste, December 2014, University of Malaya, Malaysia

Evaluation of higher degree candidature:

Yew Ming Chian, PhD candidate, (KHA120073), Title: Development and characterization of intumescent fire protective coatings, Thesis, University of Malaya, Malaysia

Shervin Motamedi, PhD candidate, (KHA120100), Title: Design, construction and monitoring of ecological revetments for coastal protection, Thesis, University of Malaya, Malaysia

Mohd Rashid Mohd Radzi, PhD candidate, (KHA120102), Title: Renewable cyclic Process of domestic Pico hydro System, Thesis, University of Malaya, Malaysia

Seyed Hossein Mahdavi, PhD candidate, Title: Structural assessment using adaptive wavelet functions, Thesis, University of Malaya, Malaysia

Aalisha Bhatia, PhD candidate, Title: Hydrodynamic performanjurce of vertical axis folding tidal turbine, Thesis, University of Malaya, Malaysia

Kh. Mahfuz Ud Darain, PhD candidate, (KHA120024), Title: Flexural behaviour of near surface mounted and hybrid strengthened RC beam under static and fatigue loading, Thesis, University of Malaya, Malaysia

Nasim Sarrafi Aghdam, Master Candidate, (KGA130001), Title: Developing the Earthquake Site Response Analysis and Seismic Microzonation Maps Based on Malaysia's Soil Condition, Thesis, University of Malaya, Malaysia



MST Nilufa Sultana, Master Candidate, (KGA130096), Title: Performance analysis of Green Roofs based on quality parameters under tropical climatic condition, Thesis, University of Malaya, Malaysia

S. M. Alamgir Kabir, Master Candidate, (KGA130049), Title: Effect of MK, GGBS and POFA on engineering properties of POC based structural lightweight geopolymer concrete, Thesis, University of Malaya, Malaysia

Mohammad Momeen ul Islam, Master Candidate, (KGA130092), Title: Study on the mechanical and durability properties of palm oil shell concrete (OPSC) by partial replacement of ordinary Portland cement (OPC) with palm oil fuel ash (POFA), Thesis, University of Malaya, Malaysia

Nadeera Binti Mat Khair, Master candidate, Title: In-service performance of a bridge using ambient vibration testing, Thesis, University of Malaya, Malaysia

Liu Kit Fook, Master Candidate, (KGA120016), Title: Development of tomography reconstruction techniques for concrete using elastic wave time and frequency domain parameters, Thesis, University of Malaya, Malaysia

Mohamad Kazem Zamani, Master Candidate, (KGA100013), Title: Minimization of Uplift Force below an Embankment Basement by Optimizing the Grouting Injection Angle and Depth in Upstream Side of the Dam, Thesis, University of Malaya, Malaysia

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1.	5 May, 2021	5 May, 2021	Jury Member, Senior Design Project	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
2.	9 December, 2020	9 December, 2020	Jury Member, Senior Design Project	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
3.	14 May, 2020	14 May, 2020	Jury Member, Senior Design Project	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
4.	11 December, 2019	11 December, 2019	Jury Member, Senior Design Project	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia



5.	17 April, 2019	17 April, 2019	Jury Member, Senior Design Project	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
6.	11 December, 2018	11 December, 2018	Jury Member, Senior Design Project	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
7.	11 October, 2018	11 October, 2018	Jury Member, Summer Training	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
8.	26 April, 2018	26 April, 2018	Jury Member, Senior Design Project	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
9.	14 March, 2018	14 March, 2018	Department Representative, Civil & Construction Engineering, Seminar on the "Applications of white cement" JK Cement Works (Fujairah).	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
10.	31 May, 2017	31 May, 2017	Jury Member, Senior Design Project	Department of Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
11.	23 January, 2017	26 January, 2017	Jury Member, Senior Design Project	Department of Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
12.	26 May, 2016	29 May, 2016	Jury Member, Senior Design Project	Department of Construction Engineering, College of Engineering, University of Dammam, Saudi Arabia
13.	04 May, 2016	05 May, 2016	Department Representative, Construction Engineering, TR-UOD Strategic Partnership Workshop Series, Thomson Reuters	College of Engineering, University of Dammam, Saudi Arabia



Committee Membership

#	From	To	Position	Organization
1.	5 September , 2019	Till date	Head, Higher Education and Research Committee	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
2.	5 September , 2019	Till date	Member, Senior Design Project Committee	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
3.	5 September , 2018	Till date	Member, Academic Affairs Committee	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
4.	11 April, 2019	Till date	Member, Scientific Research Committee	College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
5.	6 January, 2019	Till date	Member, MS program Revision Committee	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
6.	13 November , 2018	Till date	Member, New Degree plan for Construction Engineering Committee	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
7.	27 April, 2017	Till date	Member, CONEN Research Team 1	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
8.	15 December , 2018	4 September , 2019	Member, Senior Design Project Evaluation Criteria Committee	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
9.	3 September , 2018	4 September , 2019	Member, Higher Education and Research Committee	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
10.	3 September , 2018	4 September , 2019	Member, Community Service and Training Committee	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
11.	3 September , 2018	4 September , 2019	Member, Academic Affairs Committee	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia



12.	13 September , 2017	4 September , 2019	Member, Quality and Accreditation Committee	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
13.	13 September , 2017	2 September , 2018	Member, Research and Graduate Studies Committee	Department of Civil & Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
14.	13 September , 2016	12 September , 2017	Member, Research and Graduate Studies Committee	Department of Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
15.	13 September , 2016	12 September , 2017	Member, Quality and Accreditation Committee	Department of Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
16.	27 April, 2016	12 September , 2017	Member, CONEN Research Team 1	Department of Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
17.	21 October, 2016	12 September , 2016	Member, Research and Graduate Studies Committee	Department of Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
18.	21 October, 2016	12 September , 2016	Member, Quality and Accreditation Committee	Department of Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
19.	17 February, 2016	13 September , 2016	Member, Course Evaluation Committee	Department of Construction Engineering, College of Engineering, Imam Abdulrahman Bin Faisal University, Saudi Arabia
20.	06 April, 2016	20 October, 2016	Member, Research and Graduate Studies Committee	Department of Construction Engineering, College of Engineering, University of Dammam, Saudi Arabia
21.	17 February, 2016	20 October, 2016	Member, Quality and Accreditation Committee	Department of Construction Engineering, College of Engineering, University of Dammam, Saudi Arabia



Scientific Consultations

Industry: Design Corner & Associates:

152/1/1, North Shamoli, Dhaka-1207, Bangladesh

Role : *Consultant/Design Engineer (2003-2016)*
Commercial, residential and Industrial project design and management.

Software based Design check & top supervision of various High-Rise commercial, residential, Industrial Buildings to ensure economic and seismic plus wind protection safety constraint.

Structural Design of hundreds of Residential, Commercial, Industrial building projects.

Industry: Mahe Building Design & Consultants:

Yakub Market (1st Fl.), Mauna, Gazipur, Bangladesh

Role : *Consultant (2005-2016)*
Being consultant in structural design of around 50 residential, commercial and factory projects

Designing the new structures, structural elements for some deviation for in situ conditions

Checking up the structural analysis of different structures done by the subordinate design engineers by latest design software to ensure economic and seismic and wind protection safety constraint

Coordination with architect, Mechanical and electrical designers at different stages of the project

Industry: Uttara Holdings Ltd.:

Plot#26, Road#01, Kusumbag, Bashabo, Shabujbag, Dhaka-1214, Bangladesh

Role : *Consultant (2008-2015)*
As an expert consultant in structural design and implementation of high rise buildings

Monitoring structural analysis done by the subordinate design engineers by latest design software to ensure the safety against seismic and wind loading

Visiting randomly the works of a group of site engineers regarding construction, physical progress of the project and also monitor quality control and safety hazards of site

Liaison with architect, Mechanical and electrical designers time to time of the project



Industry: Crystal Land and Housing Ltd.:

23,Dilu Road (Gr. Fl.), New Eskaton, Dhaka, Bangladesh

Role : *Consultant (2008-2011)*

Consultancy in planning and designing new projects and renovation of existing construction

Checking up the activities of the engineers and CAD operators regarding drafting, working drawing, costing and scheduling of the project

Top monitoring the works of a group of site engineers regarding construction, physical progress of the project and also monitor quality control and safety hazards of site

Leading the planning and designing activities with architect, Mechanical and electrical designers of the project

Industry: KB Huq & Company:

18/20 (2nd Fl.), Block-A, Banani, Dhaka, Bangladesh

Role : *Consultant (2005-2010)*

Structural design for foundation of more than 80 Roof top SS Telecommunication Towers of AKTEL™ and Warid telecom

Industry: Cosmo Erecting System:

143 (Gr. Fl.), Eastern Road, Lane 4, Mohakhali New DOHS, Dhaka-1206, Bangladesh

Role : *Consultant (2006 – 2007)*

Structural design for foundation of several Roof top SS Telecommunication Towers of Warid telecom

Industry: Turn Developer:

10/KA, Pici Culture Housing Society, Shamoli, Dhaka-1207, Bangladesh

Role : *Consultant (2004-2007)*

Design consultancy for developing residential projects

Structural Design of the new structures as per the site and client requirements

Checking up the structural analysis of different structures done by the subordinate design engineers by latest design software ensuring seismic and wind protection of structures



Inspecting construction works, physical progress of the project, quality control and safety hazards of site

Industry: Shamoli Tower Complex Ltd:

23, Shamoli, Mirpur Main Road, Dhaka-1207, Bangladesh

Role : *Structural Engineer (2004-2005)*

Structural design and implementation of high rise commercial cum residential projects

Re-designing new structures, structural elements for some deviation decided by the board of directors.

Structural simulation and analysis by latest design software to ensure economic and seismic/wind protection safety constraint.

In-charge of the corporate project, Shamoli Tower Complex Ltd. as a 15 storied HIGH-RISE commercial cum residential Building, total area is about 14,400 square feet and its budget is about 65 crore BDT

Leading a group of engineers, estimators, surveyors and CAD operators regarding drawing, BOQ estimation, site survey, bill checking, preparing budget, costing and scheduling of all on-going and upcoming projects

Preparing project schedules / Gantt chart for every design and implementation work using MS Project

Monitoring budget and fund flow, taking necessary steps for updating BOQ considering the latest product price, updating higher management about any deflection of cost and schedule

Coordination with Architect, Mechanical & Electrical designers of the project

Preparing synopsis of the projects for making business strategy and explore the feasibility of any new project

Monitoring progress of work and to inform the status to respective Directors and Divisional Coordinator

Industry: M. Shahidul Islam & Consultants:

12-13 Motijheel, Rahman Chamber, Dhaka, Bangladesh

Role : *Structural Engineer (2002-2004)*

Design & supervision of various High-Rise commercial, residential, Industrial Buildings regarding the physical progress of the project, quality control and safety hazards of site.



Working with a group of design engineers, estimators, and CAD operators regarding drafting, working drawing, BOQ estimation, site survey, preparing budget, costing and scheduling of all on-going and upcoming projects.

Coordinating different project clients with managing Director, Architect, electrical, Plumbing, Mechanical designers and draftsmen as per design implementation.

Monitoring budget and fund flow and also to take necessary steps for updating BOQ considering the latest product price and to inform higher management about any deflection of cost and schedule.

Making synopsis of projects to choose business strategy and exploring the feasibility of new projects.

In-Charge of design and implementation of the factory project Roshawa Spinning Mills Limited (RSML), Sreepur, Gazipur. RSML is a 25000 spindles Spinning , Knitting & Dying Industry consisting 125,000 square feet Spinning building, knitting and dying building, Humidification Plant, Yarn conditioning Room, Underground Return Air Duct, Generator & Substation room, Water Tank & Treatment Plant, three 4-story officers quarter building, Security building, Workers quarter building, Future extending Rotor spinning building, 15000 square feet heavy storage building, Surrounding drainage, 20 wide concrete pavement, Machineries foundation etc. Its total area is about 504,000 square feet and its budget is about 100 crore BDT

Coordinating Electrical, Plumbing, Textile and Mechanical consultants, Architects, Engineering Advisors (local & overseas) and project authorities for the activities of all disciplines continuing at optimum time and quality

Monitoring the construction, breaking and reconstruction work of different structures, watching over the quality & the progress of work and updating the info as per schedule

Regular communication with Engineering Advisor regarding Architectural change, structural problem and work progress

Checking and Updating of Drawings supplied to LTG Air Engineering, Singapore & Germany

Community Service

JOURNAL EDITOR

Editor-in-Chief, "Research Journal of Applied Sciences, Engineering and Technology (RJASET), <http://www.noblesci.com/aplied.html>, Since December, 2015

Editor-in-Chief, "International Journal of Renewable Energy (IJRE), <http://www.noblesci.com/energy.html>, Since December, 2015

Regional Editor, "International Journal of information and Communication Technology (IJICT), <http://www.noblesci.com/infocom.html>, Since December, 2015



Editorial board member, "Advances in Water Science and Technology (AWST), <http://ajournals.com/index.php/journals/awst#editorial-board>, Since January, 2015

EVALUATION ACTIVITIES

Journal Reviewer:

(Journal Title), (ISSN No), (Publisher), (Since: Month, Year)

Automation in Construction, ISSN No: 0926-5805, Elsevier Science BV (Since: October, 2011)

Advanced Ocean Research, ISSN No: 0141-1187, Elsevier Science BV (Since: January, 2017)

Advances in Computational Design, ISSN No: 2466-0523, Techno-Press (Since: June, 2016)

Advances in Research, ISSN No: 2348-0394, Sciencedomain International (Since: July, 2015)

Advancement in Scientific and Engineering Research, Scienceweb Publishing (Since: March: 2015)

American Chemical Science Journal, ISSN No: 2249-0205, Sciencedomain International (Since: May, 2015)

Arabian Journal of Science and Engineering, ISSN No: 1319-8025, Springer Heidelberg (Since: February: 2015)

Archives of Civil and Mechanical Engineering, ISSN No: 1644-9665, Elsevier Urban & Partner SP. Z. O. O. (Since: June, 2012)

Asian Journal of Mathematics and Computer Research, ISSN No: 2395-4213, International Knowledge Press (Since: May, 2015)

British Journal of Applied Science & Technology, ISSN No: 2231-0843, Sciencedomain International (Since: March, 2012)

Computers and Concrete, ISSN No: 2092-7614, Techno-Press (Since: January, 2013)

Construction & Building Materials, ISSN No: 0029-8018, Pergamon-Elsevier Science Ltd (Since: May, 2012)

Defence Science Journal, ISSN No: 0011-748X, Defence Scientific Information & Documentation Centre (DESIDOC) (Since: November, 2011)

Development and Applications of Oceanic Engineering (DAOE), ISSN No: 2325-3754, Science and Engineering Publishing Company (Since: September, 2012)



Earthquake Engineering and Engineering Vibration, ISSN No: 1671-3664, Springer (Since: June, 2014)

Earthquake Engineering & Structural Dynamics, ISSN No: 0098-8847, Wiley-Blackwell (Since: December, 2012)

Earthquakes and Structures, ISSN No: 2092-7614, Techno-Press (Since: January, 2015)

Greener Journal of Science, Engineering and Technology Research (GJSETR), ISSN No: 2276-7835, Greener Journals (Since: February, 2014)

IIUM Engineering Journal, ISSN No: 1511-788X, Kulliyah of Engineering, International Islamic University Malaysia (IIUM) (Since: September, 2015)

International Journal of Agricultural Policy and Research, ISSN No: 2350-1561, Journal Issues (Since: April, 2014)

International Journal of green Energy, ISSN No: 1543-5075, Taylor & Francis Inc (Since: July, 2011)

International Journal of Physical Sciences, ISSN No: 1992-1950, Academic Journals (Since: June, 2015)

International Journal of Steel Structures, ISSN No: 1598-2351, Korean Society Steel Construction-KSSC (Since: February, 2013)

International Journal of Vocational and Technical Education, ISSN No:, Academic Journals (Since: December, 2011)

International Research Journal of Public and Environmental Health, ISSN No: 2360-8803, Journal Issues (Since: April, 2014)

International Research Journal of Engineering Science, Technology and Innovation, ISSN No: 2315-5663, International Research Journal (Since: January, 2015)

Journal of Applied Physical Science International, ISSN No: 2395-5279, International Knowledge Press (Since: May, 2015)

Journal of Basic and Applied Research International, ISSN No: 2395-3446, International Knowledge Press (Since: May, 2015)

Issues in Business Management and Economics, ISSN No: 2350-157X, Journal Issues (Since: April, 2014)

Journal of Civil Engineering and management, ISSN No: 1392-3730, Vilnius Gediminas Tech Univ (Since: September, 2012)



Journal of Cultural Heritage ISSN No: 1296-2074, Elsevier France-Editions Scientifiques Medicales Elsevier (Since: November, 2011)

Journal of Civil Engineering and Construction Technology, ISSN No: 2141-2634, Academic Journals (Since: January, 2012)

Journal of Engineering and Technology research, ISSN No: 2006-9790, Academic Journals (Since: February, 2011)

Journal of Geography and Regional Planning, ISSN No: 2070-1845, Academic Journals (Since: February, 2016)

Journal of Physical Science and Environmental Studies (JPSES), ISSN No: 2467-8775, Pearl Research Journals (Since: February, 2016)

Journal of Urban Technology, ISSN No: 1063-0732, Routledge (Since: November, 2012)

Ocean Engineering, ISSN No: 0029-8018, Pergamon-Elsevier Science Ltd (Since: May, 2015)

Physical Science International Journal, ISSN No: 2348-0130, Sciencedomain International (Since: May, 2015)

PLOS One, ISSN No: 1932-6203, Public Library Science (Since: October, 2014)

Renewable and Sustainable energy Reviews, ISSN No: 0926-5805, Pergamon-Elsevier Science Ltd (Since: February, 2013)

Scientific Research and Essays, ISSN No: 1992-2248, Academic Journals (Since: February, 2013)

Ships and Offshore Structures, ISSN No: 1744-5302 (Print), 1754-212X (Online), Taylor & Francis (Since: February, 2016)

Shock and Vibration, ISSN No: 1070-9622, Hindawi Publishing Corporation (Since: April, 2013)

Structural Engineering and Mechanics, ISSN No: 1598-6217, Techno-Press (Since: October, 2015)

Structural Design of Tall and Special Buildings, ISSN No: 1541-7794, Wiley-Blackwell (Since: February, 2012)

Structures, ISSN No: 2352-0124, Elsevier Science BV (Since: January, 2017)

Urban Water Journal, ISSN No: 1573-062X, Taylor & Francis Ltd (Since: October, 2015)

Water Science and Technology: Water Supply, ISSN No: 1606-9749, IWA Publishing (Since: December, 2013)



World Journal of Civil Engineering and Construction Technology, ISSN No: 1936-868X,
Premier Publishers (Since: June, 2014)

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1.	Finite Element Software	ABAQUS, LUSUS, SAP, ETABS
2.	Civil Engineering Software	AutoCAD, STAAD- Pro, GRASP, MS Project, Prokon
3.	Programming Language	C/C++, FORTRAN 77, Visual Basic 6.0
4.	Work station	Windows 98, 2000, XP, Windows server 2000, Windows 7, 8, 10
5.	Package	MS Office

Last Update
23/11/2021