

## CURRICULUM VITAE

### PERSONAL INFORMATION

- Name : **NAFEES AHMED MEMON**
- Present Job Status : Professor  
Civil Engineering Department  
M.U.E.T. Jamshoro
- Nationality : Pakistani
- Date of Birth : April 16, 1972
- Experience : 22 Years (Industry and Academia)
- P.E.C. Reg. No. CIVIL/16971
- National ID Card No. : 41301-2281894-1
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### EDUCATION

Name of Institution	Year of Award	Degree/Qualification/Certificate
Technical University of Civil Engineering, Bucharest, Romania.	2007	Ph. D. (Specialization in Construction Management)
Technical University of Civil Engineering, Bucharest, Romania.	2003	Certificate of Studies (Management & Technique of Constructions)
Mehran University of Engineering and Technology, Jamshoro, Pakistan.	1999	Post Graduate Diploma (Civil Engineering)
Mehran University of Engineering and Technology, Jamshoro, Pakistan.	1995	B.E. (Civil Engineering)
B.I.S.E, Hyderabad, Sindh, Pakistan	1989	H.S.C. (Higher Secondary School Certificate) (Major: Pre-Engineering)
B.I.S.E, Hyderabad, Sindh, Pakistan	1987	S.S.C. (Higher Secondary School Certificate) (Major: Science)

### EXPERIENCE

Name of Employing Agency	Position	Location of Assignment	Duration
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Mehran University of Engineering & Technology, Jamshoro, Pakistan	Professor	M.U.E.T., Jamshoro, Sindh, Pakistan	Feb. 07, 2012 – To date
Mehran University of Engineering & Technology, Jamshoro, Pakistan	Associate Professor	M.U.E.T., Jamshoro, Sindh, Pakistan	October 01, 2009 to Feb. 06, 2012
Mehran University of Engineering & Technology, Jamshoro, Pakistan	Lecturer	M.U.E.T., Jamshoro, Sindh, Pakistan	March 01, 2001 to Sept. 30, 2009
Techno Consult, Consulting Engineers, Karachi	Site Inspector	Karachi, Sindh, Pakistan	April 11, 1998 to October 15, 2000
A.A. Associates, Planners and Consulting Engineers, Karachi	Site Supervisor	Karachi Sindh, Pakistan	April 14, 1997 to March 18, 1998

## ADDITIONAL ASSIGNMENTS AND SOCIAL CONTRIBUTIONS

- Member Syndicate, M.U.E.T. Jamshoro (Representative of Professors July 21, 2017 to September 15, 2018)
- Coordinator Employees Welfare Cell (EWC), M.U.E.T. Jamshoro (April, 2014 to April, 2018).
- Coordinator Students Financial Aid Office (SFAO), Civil Engineering Department (Nov. 2009 to March, 2017).
- Coordinator Industrial Liaison, Civil Engineering Department (Nov., 2009 to Nov., 2017).
- Member University Ranking Review Committee (RRC) Faculty of Architecture and Civil Engineering (2014 to 2016).
- Factotum Examinations, Civil Engineering Department, M.U.E.T. Jamshoro (2014 to 2017)
- Secretary, Research Group of Construction Management, M.U.E.T Jamshoro (2012 to mid 2019) and member to date.
- Convener, Question Paper Evaluation Committee (QPEC), Civil Engineering Department (April, 2018 to April, 2019) and member to date
- Convener, Centre of Internship, Trainings and Employment (CITE), Civil Engineering Department (2017 to April, 2019) and member to date.
- Member, Pakistan Engineering Council, since 1996 to date.
- Member Curriculum Review Committee (CRC) Feb. 2020 to date.
- Member, Review Committee of Masters & Ph. D. Programs, MUET, Jamshoro, Feb. 2020 to

date.

- Member Board of Studies M.U.E.T. Affiliated Colleges (Bachelor of Civil Engineering Technology Program) since October 20, 2020.

## **PUBLICATIONS (PUBLISHED IN RESEARCH JOURNALS)**

1. Rafique Rehman Panwhar, Shabir Hussain Khahro, Nafees Ahmed Memon, Pervez Ahmed Shaikh, Qasim Hussain Khahro, An Attribute Study of Deficiencies in Supply Chain Management: A Case of Construction Industry
2. Ali Raza Khoso, Nafees Ahmed Memon, Samiullah Sohu, Fida Siddiqui, Jam Shahzaib Khan, “Decision Criteria for Assessment of Contractors in Prequalification Phase of Public Projects, International Journal of Advanced Science and Technology Vol. 29, No. 11s, (2020), pp. 2624-2635 (Scopus Indexed)
3. Kashif Rafique Memon, Aftab Hameed Memon, Nafees Ahmed Memon and Noor ul Islam Soomro “Evaluating Labour Productivity in Construction Projects of Sindh Province”, Fourrages Volume 241, Issue 3, Page 99-111, (2020) ISSN 0429-2766. ISI I.F(0.273)
4. Mujeeb Ur Rahman, Aftab Hameed Memon, Shabir Hussain Khahro, Nafees A Memon and Tauha Hussain Ali “Sustainability Adoption in Construction Projects of Sindh” Fourrages Volume 241, Issue 3, Page 55-72, (April 2020) ISSN 0429-2766. ISI I.F(0.273)
5. Shabir Hussain Khahro, Tauha Hussain Ali, Zubair Ahmed Memon, Nafees A Memon and Qasim Hussain Khahro “Industrial Incidents and Its Effect on Worker: A Case Study of Steel Industry” Fourrages Volume 241, Issue 3, Page 44-54, (April 2020) ISSN 0429-2766. ISI I.F(0.273)
6. Shabir Hussain Khahro, Tauha Hussain Ali, Nafees A Memon and Zubair Ahmed Memon “Occupational accidents: a comparative study of construction and manufacturing industries” CURRENT SCIENCE Volume 118, Issue 2, Page 243-248, (January 2020) ISSN 00113891. ISI I.F(0.756) DOI: 10.18520/cs/v118/i2/243-248
7. Shabir Hussain Khahro, Nafees A Memon, Tauha Hussain Ali and Zubair Ahmed Memon “Adoption of Prefabrication in Small Scale Construction Projects” Civil Engineering Journal Volume 05, Issue 5, Page 1099-1104, (May 2019) ISSN 2476-3055. Web of Science/Thomson Reuters Master Journal List/Emerging Sources Citation Index. DOI: 10.28991/cej-2019-03091314
8. Noor ul Islam Soomro, Nafees Ahmed Memon, Aftab Hameed Memon, Kashif Rafique Memon, “Assessing Effectiveness of Project Delivery Systems in Construction Projects of Sindh”, International Journal of Modern Research in Engineering & Management (IJMREM), Volume 2, Issue 11, Pages 05-10, Novemebr 2019.
9. Kashif Rafique Memon, Nafees Ahmed Memon, Aftab Hameed Memon, Noor ul Islam Soomro, “Factors Affecting Productivity of Skilled Workers in Construction Works”, International Journal of Modern Research in Engineering & Management (IJMREM), Volume 2, Issue 11, Pages 05-10, Novemebr 2019.
10. Muhammad Imran, Dr. Nafees Ahmad Memon, Dr. Aftab Hameed Memon, Naseeb Ullah Mengal, “To Explore the Level of Adoption of Prefabrication in Construction Industry of Pakistan”, International Journal of Modern Research in Engineering & Management (IJMREM), Volume 2, Issue 9, Pages 05-10, September 2019.

11. Talha Abro, Nafees Ahmed Memon, Ali Raza Khoso, Aftab Hameed Memon, "Determination of Causes of Change Orders and their Consequences for Public Sector Building Construction Projects of Pakistan", *Balochistan Journal of Engineering & Applied Sciences*, Volume 2, No. 1, June 2019.
12. Saeed Ahmed, Nafees Ahmed Memon, Ali Raza Khoso, Abdullah Shah Hashemi & Aftab Hameed Memon, "Disputes Impact in Pakistan Construction Industry: A Comprehensive Study of Road Development Projects", *International Journal of Modern Research in Engineering & Management (IJMREM)*, Vol. 1, No. 10, pp. 14-21, Nov. 2018, ISSN: 2581-4540.
13. Samiullah Sohu, Abd Halid Abdullah, Sasitharan Nagapan, Nafees Ahmed Memon, Riduan Yunus, Muhammad Fikri Hasmori, "Causative Factors of Cost Overrun in Building Projects of Pakistan International Journal of Integrated Engineering: Special Issue 2018: Innovations in Civil Engineering, Vol. 10 No. 9 (2018) p. 122-126.
14. Muhammad Akram Akhund, Hafiz Usama Imad, Nafees Ahmed Memon, Fida Hussain Siddiqui, Ali Raza Khoso & Abbas Ali Panhwer, "Contributing Factors of Time Overrun in Public Sector Construction Projects", *Engineering, Technology & Applied Science Research* (2018), pp 3369-3372, Volume 8, Issue 5 (ISI Indexed).
15. Muhammad Akram Akhund, Nafees Ahmed Memon, Tauha Hussain Ali, Aftab Hameed Memon and Hafiz Usama Imad, "A Comprehensive Review on Waste Generating Attributes: Way Forward for Pakistan's Construction Industry," *Engineering Science and Technology International Research*, Vol.2, No.3. Sept, 2018.
16. Muhammad Akram Akhund, Shabir Hussain Khahro, Tauha Hussain Ali, Nafees A Memon "ISO 9001:2008: A Factorial Analysis of its Advantages and Implementation for Construction Firms" *International Journal of Civil Engineering & Technology (IJCIET)*, Volume 08, Issue 6, (June 2017) ISSN 0976-6316. (Scopus Index)
17. Shabir Hussain Khahro, Tauha Hussain Ali, Nafees A Memon ,Muhammad Akram Akhund "Effect of Change Orders on Project Duration" *International Journal of Civil Engineering & Technology (IJCIET)*, Volume 08, Issue 6, (June 2017) ISSN 0976-6316. Scopus Index
18. Abbasi F.J., Memon F., Shaikh P., Memon N.A., "Implementing a Business Intelligence Environment in Local Market of Pakistan", *Mehran University Research Journal of Engineering & Technology*, Jamshoro, Vol. 36. No. 2, 2017.
19. Muhammad Akram, Tauha Hussain Ali, Nafees Ahmed Memon and Shabir Hussain Khahro "Causal Attributes of Cost Overrun in Construction Projects of Pakistan", *International Journal of Civil Engineering and Technology*, 8(6), 2017, pp. 477–483.
20. Shabir Hussain Khahro, Nafees A Memon, Tauha Hussain Ali, Z. A Memon "Improving Material Waste Management Performance: An Attribute Study for Provential Projects" *International Journal of Civil Engineering & Technology (IJCIET)*, Volume 07, Issue 6, (Nov-Dec 2016) ISSN 0976-6316. (Scopus Index)
21. Shabir Hussain Khahro, Tauha Hussain Ali, Nafees A Memon, Z. A Memon "Improving Labour Productivity: An Attribute Case Study of Building Sector Projects in Pakistan" *International Journal of Applied Engineering Research*, Volume 11, Number 23 (2016) page 11121-11125, ISSN 0973-4562. (Scopus Index)
22. Memon N.A., Laghari M.A., Memon F.A., "Factors Contributing to the Waste Generation in Building Projects of Pakistan", *Mehran University Research Journal of Engineering & Technology*, Vol. 35, No. 1, January 2016, pp. 95-100.

23. Naeem Aziz Memon, Pervez S., Memon F.A., Memon N.A., Noor Ahmed Memon, "Changes in Densities of Basic Constituents during CRMB Production", *International Journal of Engineering and Technology (IJET)*, Vol 8 No 1, Feb-Mar 2016.
24. Memon N.A., Memon F.A., Khahro S.H., "Prefabrication in Building Construction: Perspective of Pakistan Construction Industry", *Mehran University Research Journal of Engineering & Technology*, Vol. 33, No. 3, July 2014, pp. 366-371.
25. Stoian M., Memon N.A., "Evaluating the quality Performance", *FAIMA Buisness & Management Journal* Volume 2, Issue 1 – March 2014.
26. Memon N.A., Khatri K.L., Memon A.B., "TQM in Construction and Manufacturing Companies of Pakistan: A Case Study", *Mehran University Research Journal of Engineering & Technology*, Vol. 32, No. 2, April 2013.
27. Memon Z.A., Chohan. A.H., Abro Q.M, Memon N.A, Adi Irfan Che Ani, "Issues of Cost Inflation in Construction Sector and Strategy for Its Prevention in Developing Economy, A Study of the Pakistan", *American Journal of Scientific Research*, Issue 57 (2012), pp. 27-36.
28. Memon Z.A., Memon N.A., Chohan A.H., "The Use of Information Technology Techniques in the Construction Industry of Pakistan", *Mehran University Research Journal of Engineering & Technology*, Vol. 31, No. 2, April 2012, pp. 271-280.
29. Chohan. A.H., Memon Z.A., Memon N.A, Adi Irfan Che-Ani, Nor Hanisa Ishak, "Development of A/E/C Professionals Perception Index of Design Faults Implicating Low to Medium Cost Housing of Developing Metropolis", *American Journal of Scientific Research*, Issue 50 (2012), pp. 90-102.
30. Abro Q.M, Bhutto A., Memon N.A., "Customer's Perceptions on e-Banking: A Case Study of HBL Jamshoro", *Mehran University Research Journal of Engg. & Technology, Pakistan*, Vol.30, No. 4, October 2011, 681-688.
31. Memon N.A., AbroQ.M., Mugheri F., "Quality Management in the Design & Construction Phase: A Case Study", *Mehran University Research Journal of Engg. & Technology, Pakistan*, Vol.30, No. 3, July 2011, pp. 511-520.
32. AbroQ.M, Memon N.A, Rashdi P.I.S, "Dynamic Capabilities and Firm Performance: A Case of Two SMEs in Pakistan", *Mehran University Research Journal of Engineering & Technology, Pakistan*, Vol.30, No. 3, July 2011, 521-530.
33. Memon N.A., Abro Q.M., Memon Z.A., "ISO in the Construction and Manufacturing Companies: A Case Study from the Construction Industry of Hyderabad and Karachi, Pakistan", *Mehran University Research Journal of Engineering & Technology, Pakistan*, Vol.30, No. 2, April 2011, pp. 339- 348.
34. Memon Z.A., Ali T.H., Arain F.M., Memon N.A., "Digitalizing the Construction Monitoring Process", *International Journal of Construction Project Management, Canada* Vol. 2(2), pp. 1-14, 2010.
35. Memon F.A., Memon N.A., Memon R.A., "Study of Compressive Strength of Concrete with Coal Power Plant Fly Ash as Partial Replacement of Cement and Fine Aggregate", *Mehran University Research Journal of Engineering & Technology, Pakistan*, Vol. 29, No. 4, October 2010, pp. 647- 652.
36. Memon Noor Ahmed., Memon N.A., Sumadi S.R., "Effect of Core-Encasement (C-E) Ratio on Compressive Strenght and Weight of Ferrocement- Aerated Concrete (FCAC) Sandwich Panels Under Axial Loading", *Mehran University Research Journal of Engineering & Technology*, Vol. 29, No. 2, April 2010, pp. 283- 289.

37. Memon R.A., Qureshi A.S., Memon N.A., “Deceleration and Acceleration Behavior of Drivers on Two Lane Rural Roads” Mehran University Research Journal of Engg. & Technology, Pakistan, Vol. 29, No. 1, Jan. 2010, pp. 111-120.
38. Memon N.A., Memon A.A., Memon R.A., “Behavior of Asphalt Concrete Mix using Aggregates of Different Quarry Sites in the vicinity of Hyderabad”, Mehran University Research Journal of Engineering & Technology, Pakistan, Vol. 28, No. 4, October 2009, pp. 517-526.
39. Memon Noor Ahmed, Memon N.A., Sumadi S.R., “Statistical Approach to Predict Compressive Strength of High Workability Slag-Cement Mortars”, Mehran University Research Journal of Engineering & Technology, Pakistan, Vol. 28, No. 4, October 2009, pp. 501-508.
40. Memon R.A., Memon A.A., Memon N.A., “Development of Speed Profile Model for Two Lane Rural Roads in Pakistan”, Mehran University Research Journal of Engineering & Technology, Pakistan, Vol. 28, No. 4, October 2009, pp. 539-547.
41. Memon A.A., Memon N.A., Memon R.A., “Study of Different Available Aggregates in the Vicinity of Hyderabad Used for Asphalt Concrete Road Construction”, Mehran University Research Journal of Engineering & Technology, Pakistan, Vol. 28, No. 3, July 2009, pp. 357-366.
42. Memon F.A., Memon N.A., Memon R.A., “Experimental Study of Fly ash of Lakhra Coal Power Plant in RCC Beams”, M. U. Research Journal of Engg, & Technology, Vol. 28, No. 2, April 2009, pp. 185-198.
43. Ali T.H., Memon Z.A., Memon N.A., “Causes and Remedial Measures for Construction Delays: A Case Study of Developing Country Like Pakistan”, Mehran University Research Journal of Engineering & Technology, Pakistan, Vol. 28, No. 1, January 2009, pp. 69-80.
44. Abro Q.M, Memon N.A, Rashdi P.I.S, “Strategic Factors for Enhancing the Innovativeness of the Nanotechnology Firms”, Int.J. Buisness Innovation and Research, Vol.3, No.6, 2009, pp.596-609.
45. Ali T.H, Memon N.A., Shaikh P., “Effect of National Cultural Values on Safety Climate, and Safety Management”, Mehran University Research Journal of Engg. & Technology, Pakistan, Vol. 27, No. 1, January 2008, pp. 121-130.
46. Memon N.A, “Linking Quality Management in Construction with Seismic Risk Reduction”, Scientific Journal of Technical University of Civil Engineering Bucharest, Romania, Vol. LI, No.2, 2008, pp. 16-31.

## **PAPERS PRESENTED IN CONFERENCES**

1. Sohail Ali Mallah, Nafees Ahmed Memon, Aftab Hameed Memon, Samiullah Sohu, Naeem Aziz Memon, “Schedule performance in dam construction projects of Sindh”, 11th International Civil Engineering Conference - 13th & 14th March, 2020, Karachi
2. Shahzad Ali, Aftab Hameed Memon, Tauha Hussain Ali, Shabir Hussain Khahro, Nafees Ahmed Memon, “Resource Procurment and handling Issues Generating Waste in Construction Projects”, 11th International Civil Engineering Conference - 13th & 14th March, 2020, Karachi
3. Shakeel Ahmed, Syed Abdullah Shah Hashmi, Salah Uddin, Nafees Ahmed Memon, “Sustainable Construction in Balochistan: Issues and Challenges”, 11th International Civil Engineering Conference - 13th & 14th March, 2020, Karachi

4. Mohsin Ali, Atif Hussain Awan, Tawakal Rehman Bajwa, Nafees Memon and Anees Ahmed Vighio, "Cost Analysis of Green Building and Conventional RCC Building through BIM", 2<sup>nd</sup> International Conference on Sustainable Development in Civil Engineering (ICSDC 2019) held on Decemeber 05-07, 2019 organized by MUET Jamshoro, PAKISTAN.
5. Anees Ahmed Vighio, Tauha Hussain Ali, Nafees Ahmed Memon, Shabir Hussain Khahro and Muhammad Ali Moriyani, "Barriers in Adoption of BIM in Construction Industry of Pakistan", 2<sup>nd</sup> International Conference on Sustainable Development in Civil Engineering (ICSDC 2019) held on Decemeber 05-07, 2019 organized by MUET Jamshoro, PAKISTAN.
6. Ayaz Ahmed Babar, Tauha Hussain Ali, Shabir Hussain Khahro, Nafees Ahmed Memon and Qasim Hussain Khahro, "Barriers for Better Integration Management", 2<sup>nd</sup> International Conference on Sustainable Development in Civil Engineering (ICSDC 2019) held on Decemeber 05-07, 2019 organized by MUET Jamshoro, PAKISTAN.
7. Muhammad Akram Akhund, Aftab Hameed Memon, Tauha Hussain Ali, Nafees Ahmed Memon and Suhail Kazi, "Waste management in construction projects of Pakistan", Asia Pacific International Conference on Emerging Engineering (APICEE), November, 9-10, 2019
8. Tauha Hussain Ali, Muhammad Akram Akhund, Nafees Ahmed Memon, Aftab Hameed Memon, Hafiz Usama Imad, and Shabir Hussain Khahro, "Application of Artificial Intelligence in Construction Waste Management: A conceptual frame-work for effective waste management system" 8th International Conference on Industrial Technology and Management, 2019
9. Shabir Hussain Khahro, Tauha Hussain Ali, Nafees Ahmed Memon, Zubair Ahmed Memon and Qasim Hussain Khahro "Critical Attributes to Improve Construction Waste Management Performance" 40th International Annual Conference organized by American Society of Engineering Management (ASEM) during 23-26 October 2019 at Drexel University, Philadelphia, America.
10. Izhar Hussain Bhutto, Nafees Ahmed Memon, Ali Raza Khoso, Muhammad Aslam Leghari, Shabir Hussain Khahro, "Factors Affecting Selection of Procurement Method in Public Sector Construction Projects", Proceedings of International Civil Engineering Conference (ICEC-2019), Karachi Pakistan, Feb. 23-24, 2019.
11. Muhmmad Akram Akhund, Aftab Hameed Memon, Nafees Ahmed Memon, Tauha Hussain Ali and Ali Raza Khoso, "Exploratory Study on Investigating Types of Waste Generated in Construction Works of Developing Regions", International Conference on the Built Environment, IConBEE (2018), October, 29-30, 2018.
12. Mujeeb ur Rehman Khoso, Nafees Ahmed Memon, Aftab Hameed Memon, Fida Hussain Siddiqui, Muhammad Akram Akhund, "Barriers to Adoption of Sustainable Construction in Pakistan", International Civil Engineering Conference (ICEC-2017), December 22-23, 2017, Karachi, Pakistan.
13. Velaram Menghwar, Nafees Ahmed Memon, Shabir Hussain Khahro, Ali Raza Khoso, Muhammad Akram Akhund and Fida Siddiqui, "Main Causes of Accidents during Construction and Operation of Dug Wells: A Case Study of Tharparkar Region", International Conference on Sustainable Development in Civil Engineering 23-25 November, 2017 (ICSDC 2017).
14. Aqsa Hayat, Ali Raza Khoso, Muhammad Akram Akhund, Nafees Ahmed Memon, Shabir Hussain Khahro, "Risk Identification in Joint Venturing Projects of Pakistan's Construction Industry", International Conference on Sustainable Development in Civil Engineering 23-25 November, 2017 (ICSDC 2017).

15. Faizullah Memon, Ali Raza Khoso, Nafees Ahmed Memon, Fareed Ahmed Memon, Moazzam Ali Mughal, "Causes of Building Failures in Pakistan", International Conference on Sustainable Development in Civil Engineering 23-25 November, 2017 (ICSDC 2017).
16. Muhammad Kamran, Aftab Hameed Memon, Nafees Ahmed Memon, Tauha Hussain Ali and Mohsin Ali Soomro (2017), "Green Building Rating Systems Adopted in Asian Countries", International Conference of Sustainable Development in Civil Engineering, November 23-25, 2017, MUET Jamshoro, Pakistan (ICSDC 2017).
17. Adeel Ellahi, Aftab Hameed Memon, Nafees Ahmed Memon, Suhail Memon and Naeem Aziz Memon (2017), "Human Resource Management Practices in Construction Industry of Sindh", International Conference of Sustainable Development in Civil Engineering, November 23-25, 2017, MUET Jamshoro, Pakistan (ICSDC 2017).
18. Muhammad Akram Akhund, Nafees Ahmed Memon, Tauha Hussain Ali, Aftab Hameed Memon, Fida Siddiqui, "Study of Global Waste Quantification Models", Proceeding of 22nd International Conference on Advancement of Construction Management and Real Estate (published by Springer), 22-23 November 2017.
19. Qasim Hussain Khahro, Tauha Hussain Ali, Nafees Ahmed Memon, Shabir Hussain Khahro and Fida Hussain Siddiqui "Significance Level of Project Participants Causing Conflicts in Construction Projects" International Conference on Sustainable Development in Civil Engineering (ICSDC 2017) held on November 23-25, 2017 organized by MUET Jamshoro, PAKISTAN.
20. Nadeem Manzoor Shah, Tauha Hussain Ali, Fida Siddiqui, Shabir Hussain Khahro and Nafees Ahmed Memon "Identification of Causes Leading to Heat Stress and Their Negative Effects on Construction Labor in Extreme Hot Weather: A Case Study of Sindh" International Conference on Sustainable Development in Civil Engineering (ICSDC 2017) held on November 23-25, 2017 organized by MUET Jamshoro, PAKISTAN.
21. Aqsa Hayat, Ali Raza Khoso, Shabir Hussain Khahro, Muhammad Akram Akhund and Nafees Ahmed Memon "Risk Identification in Joint Venturing Projects of Pakistan's Construction Industry" International Conference on Sustainable Development in Civil Engineering (ICSDC 2017) held on November 23-25, 2017 organized by MUET Jamshoro, PAKISTAN.
22. Syed Abdullah Shah, Nafees Ahmed Memon, Tauha Hussain Ali, Shakeel Ahmed and Muhammad Aslam Leghari, "Problems Caused Due To Low Bid Award System: A Case Study of Public Sector Construction Projects in Pakistan", International Conference on Sustainable Development in Civil Engineering (ICSDC 2017) held on November 23-25, 2017 organized by MUET Jamshoro, PAKISTAN.
23. Muhammad Akram Akhund, Fida Siddiqui, Ali Raza Khoso, Nafees Ahmmed Memon, "Implementation & Barriers of ISO quality standards in firms of Pakistan", First International Conference on Modern Trends in Science, Engineering & Technology (MTSET-2017): Roadmap for Sustainable and Collaborative Development, Karachi, Pakistan April 27-28, 2017
24. Rubab Khanzada, Ali Raza Khoso, Zuriya Jawed, Nafees Ahmed Memon "Assessment of Critical Factors Affecting Start of Personal Construction Business", First International Conference on Industrial Engineering And Management Applications ,February 20-22, 2017, MUET, Jamshoro.



25. Fida Siddiqui, T.H. Ali, Nafees Ahmed Memon, Shabir Hussain Khahro and Muhammad Akram Akhund “Labour Productivity in the Construction Industry of Pakistan” 8<sup>th</sup> International Civil Engineering Congress (ICEC) 23-24 December, 2016 at IEP Center organized by NED University, Karachi, PAKISTAN.
26. Ali Raza Khoso, Nafees Ahmed Memon, Pervez Shaikh, Shabir Hussain Khahro, T.H. Ali “Assessment of Critical Factors for Prequalification of Contractors in Construction Industry of Pakistan” 8<sup>th</sup> International Civil Engineering Congress (ICEC) 23-24 December, 2016 at IEP Center organized by NED University, Karachi, PAKISTAN.
27. Tauha Hussain Ali, Shabir Hussain Khahro, Nafees Ahmed Memon “Project Time Prediction Model: A Case Study of Construction Projects in Sindh, Pakistan” 18<sup>th</sup> International Conference on Construction and Project Management, ICCPM 2016, November 03-04, Cape Town, SOUTH AFRICA.
28. Muhammad Akram, Nafees Ahmed Memon, Marina Stoian, Uroosa Iqbal, Shabir Hussain Khahro “Time Overrun in Public Sector Construction Projects of Developing Countries: Case Study Of Pakistan” 2<sup>nd</sup> International Conference on Emerging Issues in Management and Economics (ICEIME), 9-10 October 2015, Quetta, PAKISTAN.
29. Akram M., Memon N.A., Ali T.H., Siddiqui F., “Developing an Expert System for Controlling Cost and Time Overrun (ESCCTO) in Construction Projects”, 7<sup>th</sup> International Civil Engineering Conference jointly Organized by IEF & NED University at IEP Convention Centre, Karachi, 12-13 June, 2015.
30. Memon N.A., Akram M., Khahro S.H., Postavaru N., “Reduction of Construction Waste at Site”, International Conference on “Energy & Environment: Innovation & Sustainability” organized by QUEST, Nawabshah, March 12, 14, 2015.
31. Postavaru N., Memon N.A., “Importance of the Role of Various Stakeholders in Earthquake Disaster Mitigation”, 1<sup>st</sup> International Conference on Engineering Management- Benchmarking Management Practices in Developing Countries- March 4-5, 2008, Mehran University of Engineering and Technology, Jamshoro, PAKISTAN.
32. Memon N.A, Stoian M., “Linking Quality Management Systems with Contractor’s Improved Quality Performance”, The Second International Conference of Management and Industrial Engineering- ‘Sustainable Development Management’, Nov. 10-11, 2005, University of Politehnica, Bucharest.
33. Stoian M., Memon N.A., “Effectiveness of ISO certification in Construction Companies”, The Second International Conference of Management and Industrial Engineering- ‘Sustainable Development Management’, November 10-11, 2005, University of Politehnica, Bucharest.

#### **CO-AUTHOR IN PUBLISHED BOOKS**

- “Decision Support System in Construction Management (Time Overrun and Cost Overrun)”  
Authors: Muhammad Akram Akhund, Nafees Ahmed Memon and Tauha Hussain Ali  
Publisher: LAP LAMBERT Academic Publishing (2018)
- “Construction Management for Civil Engineering Students and Construction Management Professionals”  
Aurthors: Nicolae Postavaru and Nafees Ahmed Memon  
Publisher: Edition Matrix Published in Bucharest, Romania (2007)

#### **Book Chapters**

Land Suitability Modelling using Geographical Information System (GIS) and Multi-Criteria Decision Making (MCDM), Water and Environmental Engineering (Vol. 4) Micropollutant Research Centre (MPRC) ISBN 978-967-2916-39-0, 2020

### THESIS WRITTEN

- **“Contributions to Construction Management in Seismic Area”** Ph.D. Thesis, Technical University of Civil Engineering, Bucharest, Romania, March 2007  
(**Ph.D. Supervisor:** Professor Dr. Nicolae Postavaru).
- **“Construction Cost Estimate of An Overhead Bridge”**, as course work requirement at the Management Department, Technical University of Civil Engineering, Bucharest, 2003  
(**Thesis Supervisor:** Professor Grasu Raluca).
- **“Analysis and Design of an Overhead Bridge at National Highway Intersection near Rajputana Hospital Hyderabad”** November 1995 for the award of Bachelor of Engineering in Civil Engineering at Mehran University of Engineering and Technology, Jamshoro, November 1995 (**Thesis Supervisor:** Engr. Mir Chand Oad).

### RESEARCH INTERESTS

Main research interests include: Construction Management, Earthquake Risk Management, Construction Waste Reduction, Quality Management in Construction Management, Engineering Contracts & Procurement Methods, Cost Analysis and Management of Construction Projects, Industrialized Building Systems and Sustainable Construction Management.

### M.E. RESEARCH PROJECTS (COMPLETED)

- Quality Assurance in testing of Highway Materials.
- Factors Contributing to the Generation of Construction Waste at Site: A case of Public Sector Building Projects in Sindh.
- Risk Management Maturity: Comparison of Local and Global Construction Industries and Pertaining Issues.
- Controlling Cost Escalation in Highway Construction Projects: A Case Study
- Applicability of Public Private Partnership: Risk Identification and Risk Allocation For PPP Projects in Pakistan.
- Reducing Steel Waste in R.C.C Constructions
- Prefabrication in Building Construction and its Impact on Construction Waste Reduction
- Selection of an appropriate Access Management Plan for National Highways/ Motorways through AHP Technique.
- Factors Affecting Traffic Congestion in Urban Areas and Remedial Measures: A case study of Hyderabad City.
- Developing Knowledge Based Expert System for Controlling Time Overrun and Cost Overrun in Construction Industry of Pakistan.
- Analysis of Critical Factors Affecting Labor Productivity using AHP: Case Study of Public Sector Building Projects in Sindh.
- Conflicts in Construction Projects: A Project Life Cycle Analysis
- Adoption of Value Based Procurement System in Construction Industry of Pakistan

- Factors Affecting Material Procurement in Oil & Gas sector construction projects
- Outcome Assessment and Improvement of NSUSC water Supply Projects: A case study
- Effect of Job Satisfaction on Labor Productivity in Construction industry of Pakistan
- Modified Bitumen using Plastic Waste
- A Decision Support Model for Selection of Contractors in Prequalification Process
- Adoption of Green Building Practices in Construction Industry of Pakistan
- Human Resource Management Practices in Construction Industry of Pakistan
- Assessment and Improvement of Project Outcome in National Drainage Projects
- Developing Decision Support Model for the Selection of Appropriate Procurement Method in Public Sector Construction Projects in Pakistan
- Developing Knowledge Base Expert System for Dispute Resolution in Public Sector Road Construction Projects
- Safety during Dug Well Construction in Tharparkar Region
- Cost Escalation in Water Sector Projects of Sindh
- Implementation of ISO 9001 Quality Management System in the CI of Pakistan: A case study
- Evaluation of Quality Management Practices in Construction Industry of Pakistan
- Towards Adoption of Sustainable Construction in local projects of Karachi and Hyderabad
- Modeling Cause-Effect Relationship of Change Orders in Public Sector Building Projects
- Structural Model of Factors Enhancing the Adoption of Green Procurement in Construction Industry of Pakistan
- Adoption of Prefabrication in Construction Industry of Pakistan
- Performance Level of Supply Chain Management in PLC of Construction Projects
- Adoption of BIM in Construction Industry of Pakistan
- Factors Influencing Labor Performance in Construction Projects of Sindh Province of Pakistan
- Developing a Co-Relation Model btw/n Contractor Selection Criteria & Project Delivery Method
- Adoption of E-procurement in Construction Industry of Sindh
- Developing Green Building Assessment Criteria for Construction Industry of Pakistan

#### **M.E. RESEARCH PROJECTS (IN PROGRESS)**

- Developing Decision Support System for Contractors Selection in CI of Pakistan
- Developing a Framework for Improving Time Performance of Dam Projects in Sindh
- Modeling Project Success Factors in Public Sector Building Projects of Sindh
- Construction Waste Management in Public Projects of Pakistan
- Construction Claims in Public Sector Building Projects of Sindh: A Case Study in Perspective of Contractor

#### **B.E THESIS PROJECTS (COMPLETED)**

- ISO and TQM in global and local Construction Industry: “A case from the construction industry of Hyderabad and Karachi” (2009)
- Quality Management in the Design and Construction Phase (2010)
- Design and Cost Estimation of Old Indus Highway from Jamshoro to Sandoz Company (2010)
- Cost Estimation & Construction Planning of Students’ Hostel (2011)

- Cost Analysis, Construction Planning & Management of a Single Storey Residential House (2011)
- Design and Cost Estimation of the Existing Road in Hyderabad City (2011)
- Factors Affecting Construction Quality: A case of private building construction projects in Sindh (2012)
- Earthquake Disaster Mitigation in Pakistan (2012)
- Reduction of Construction Waste at Site (2012)
- Factors Affecting Labour Productivity in Building Projects of Pakistan (2013)
- Dispute Avoidance and Resolution in Construction Industry of Pakistan (2013)
- Cost Estimation and Project Planning Using Primavera for Proposed Custodian Complex Sukker, Pakistan (2014).
- Towards Adoption of Prefabrication in Building Construction (2014)
- Factors Influencing Time Overrun in Construction Projects of Pakistan (2014-2015)
- ISO Quality Standards in Construction Industry of Pakistan (2015-16)
- Earthquake Disaster Risk in Pakistan & Mitigation Measures (2015-16)
- Road Safety Audit of Highway Section: From MUET Gate to Jamshoro Intersection (2016-2017)
- Development of Key Credit Criteria for Assessment of Green Buildings in Pakistan (2016-17)
- Application of BIM 360 Tools and Identification of Clashes in Different Models (2018-19)
- Towards Utilization of Renewable Energy Resources for Effective Cost Management in Construction Industry of Pakistan (2018-19)
- Cost Analysis of Conventional RCC Buildings and Green Buildings through BIM (2018-19)
- Factors Enhancing the Development of Industrialized Building System (IBS) in Construction Industry of Sindh (2019-2020)
- Stakeholder Management in Context of Earthquake Disaster Mitigation in Pakistan (2019-2020)
- Cost Analysis of R.C.C Conventional and Green Building using BIM: A Case Study (2019-2020)

## CONTRIBUTION IN POSTGRADUATE THESIS EVALUATION

- Contributed in evaluation of postgraduate thesis and conduct of viva voce examination of different Masters and Ph.D. programs related to the field of Civil Engineering at national and internal level.

## LIST OF COURSES CONTRIBUTED TEACHING SERVICES

### Ph. D. (Construction Management) Program

- Construction Quality and Productivity Management
- Cost Analysis and Control

### Master's Program

- Quality Management and Construction Performance
- Engineering Contracts and Procurement Methods
- Construction Equipment & Management
- Resource Planning & Control
- Human Resource Management
- Research and Communication in Construction Management
- Construction Risk Management

## **Undergraduate Program**

- Quantity Surveying and Estimation for Civil Works (Civil Engineering Department, M.U.E.T., Jamshoro and M.U.E.T., Khairpur Campus)
- Quantity Surveying and Accounting (Architecture Department, M.U.E.T., Jamshoro)
- Specification and Quantity Surveying-I (Architecture Department, Centre of Excellence in Arts & Design, M.U.E.T., Jamshoro)
- Specification and Quantity Surveying-II (Architecture Department, Centre of Excellence in Arts & Design, M.U.E.T., Jamshoro)
- Construction Management & Planning (Civil Engineering Department, M.U.E.T., Jamshoro)
- Steel Structures (Civil Engineering Department, M.U.E.T., Jamshoro & M.U.E.T, Khairpur Campus)
- Plain and Reinforced Concrete (Civil Engineering Department, M.U.E.T., Jamshoro)
- Design of R.C.C. Bridge (Shaheed Benazir Bhutto Skill Development Program, Works & Services Department, Governemnt of Sindh)
- Structures for Architects III (Architecture Department, Centre of Excellence in Arts & Design, M.U.E.T., Jamshoro)
- Project Management (Civil Engineering Department, M.U.E.T., Jamshoro)

## **PROFESSIONAL TRAININGS, CERTIFICATES, WORKSHOPS**

- Auto CAD, 50 hours training program held at Petroman Karachi from Sept. 08, 1997 to Oct. 03, 1997.
- Software STAD-Pro, attended 3 days training program held at Department of Civil Engineering, M.U.E.T. Jamshoro, in year 2009.
- Teachers' Training Program, attended 40 hours training organized by the Directorate of Continuing Education, held in February 2009.
- Software Primavera, attended 3 days training program held at Department of Civil Engineering, M.U.E.T. Jamshoro, in year 2010.
- Statistical Package for Social Sciences (SPSS), One week training held at MUISTD, MUET, Jamshoro, from 14<sup>th</sup> June 2010 to 18<sup>th</sup> June 2010.
- One day training program on "Internal Quality Audit and Transition of ISO 9001: 2000 to ISO 9001: 2008.
- Attended workshop on "Intellectual Property Rights in Pakistan organized by Mehran University Institute of Science. Technology & Development (MUISTD), April 26, 2012.
- Attended Seminar on "Role of Universities in Promoting Economic Growth: where do we stand", organized by ORIC, M.U.E.T., Jamshoro, Feb. 17, 2014.
- Attended Workshop on "Developing Industry Driven Technologies organized by MUISTD, IRP and PASTIC-PSF on Feb. 23, 2015 at MUET, Jamshoro.
- Attended Workshop on "Outcome Based Education & Assesment System of Accreditation" organized by HEC and PEC on March 05, 2015.
- Attended Workshop on "Career Growth" organized by NED University of Engineering & Technology in September 2015.
- Attended Workshop in "Capacity Building for Outcome Based Education & Assessment Implementation" organized by MUET in Collaboration With PEC Pakistan in September, 2016.
- Participation in Workshop on "Capacity Building in Developing Self Assessment Report as per

Pakistan Engineering Council (PEC) Accreditation Manual” organized by MUET in Collaboration With PEC Pakistan in December 2017

- Participation in One Day Multi Topic Seminar on “Career Counseling and Technical Training on Engineering Technologies” organized by Mehran University Lateefi Forum (MULF), MUET, Jamshoro, February 22, 2018.
- Delivered TECHNICAL TALK on “**Role of Various Stakeholders in Earthquake Disaster Mitigation**”, organized by **Centre of Applied Geomatics and Disaster Prevention, UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM), October 11, 2018.**

## REFERENCES

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