

MUHAMMAD UMER

Address

L-78/9, Dastagir Society, Near Farzana Dawakhana, Karachi, Sindh, Pakistan

Date of Birth: 30-Oct-1985

Mobile No: +92-343-3085955

Nationality: Pakistani

E-mail: emumer@neduet.edu.pk

Marital Status: Married (1 Son and 1 Daughter)

OBJECTIVE

To acquire entrance into a professional organization where my technical and organizational skills will benefit my personal growth and the enrichment of the corporation for whom I would be an asset.

EDUCATION

Masters in Engineering Management (Construction) **2009 -2011**
NED University of Engineering & Technology, Karachi with CGPA = 3.24/4.00

Bachelor of Engineering **2004-2008**
NED University of Engineering & Technology, Karachi with First Division
Third Place Merit Certificate Holder

Intermediate in Pre-Engineering **2002-2004**
Govt. Degree College Stadium Road, Karachi with A Grade

Matriculation in Science **2000-2002**
Civil Aviation Authority School No.1, Karachi with A-1 Grade

JOB EXPERIENCE

- Working as Assistant Professor (Regular) in the Department of Civil Engineering, NED University of Engineering & Technology, since 6th May 2016 till date.
- Working as Lecturer (Regular) in the Department of Urban & Infrastructure Engineering, NED University of Engineering & Technology, since 26th March 2010 till date.
- Worked as Lecturer (Adhoc) in the Department of Urban & Infrastructure Engineering, NED University of Engineering & Technology, from 29th December 2009 to 25th March 2010.

TEACHING EXPERIENCE

The teaching responsibilities are summarized as:

Subject	Hierarchy of Course in UG Curriculum	2009	2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Fall 2015	Spring 2016
Construction Planning & Management.	8 th Semester				*		*							
Civil Works Quantities and Cost Estimations	5 th Semester			*								*	*	
Engineering Surveying-II	3 rd Semester			*										
Engineering Surveying-I	1 st Semester	*	*	*	*		*	*	*					
Statics & Dynamics	1 st Semester								*					
Essentials in Construction Project Management	7 th Semester									*				
Fundamentals of Construction Project Management	5 th Semester									*				
Contracts & Claims	5 th Semester									*				
Construction Planning & Management	8 th Semester										*			
Building Information Modeling	8 th Semester											*		
Building Systems in Construction	8 th Semester													*

*= teaching assignment for respective semester

PUBLICATIONS

PEER REVIEWD CONFERENCES

PUBLISHED

1. Khan, Raza Ali, Gazder, Uneb, **Umer, Muhammad**, Ali, M. S.(2010) “Determination of Efficient Fare and Existing Mechanism of Public Transport System of Karachi - A Case Study of Buses and Mini Buses”- Proceedings of Third International Symposium on Infrastructure Engineering in Developing Countries (IEDC-2010) and 1st International Conference on Sustainable Transportation & Traffic Management.
2. Khan, Raza Ali, Saleem, Farhan, **Umer, Muhammad** (2011) “Financial Health of the Construction Industry of Pakistan - A Perspective of Major Stakeholders”. Sixth International Conference on Construction in the 21st Century (CITC-VI)“Construction Challenges in the New Decade” July 5-7 2011, Kuala Lumpur, Malaysia
3. Khan, Raza Ali, Saleem, Farhan, **Umer, Muhammad** (2011) “Effectiveness of Worker Motivational Techniques on Construction Project Safety, Productivity and Quality Performance”. Sixth International Conference on Construction in the 21st Century (CITC-VI)“Construction Challenges in the New Decade” July 5-7 2011, Kuala Lumpur, Malaysia
4. Farooqui, Rizwan U., Hussain, Etikaf, **Umer, Muhammad**, Lodi, Sarosh H., (2012) “Factors Affecting Construction Cost in the Pakistani Construction Industry”. Third International Conference on Construction in Developing Countries (ICCIDC–III) “Advancing Civil, Architectural and Construction Engineering & Management” July 4-6, 2012, Bangkok, Thailand
5. **Umer, Muhammad**, Saleem, Farhan, Farooqui, Rizwan U., Khan Raza, Ali (2012), “An Empirical Assessment of Building Information Modeling as an Emerging Technology in the Pakistani Construction Industry”. Third International Conference on Construction in Developing Countries (ICCIDC–III) “Advancing Civil, Architectural and Construction Engineering & Management” July 4-6, 2012, Bangkok, Thailand.
6. Farooqui, Rizwan U., **Umer, Muhammad**, Lodi, Sarosh H. (2012), “Dispute Resolution in the Pakistani Construction Industry – An Assessment of Current Methods”. Third International Conference on Construction in Developing Countries (ICCIDC–III) “Advancing Civil, Architectural and Construction Engineering & Management” July 4-6, 2012, Bangkok, Thailand
7. Farooqui, Rizwan U., **Umer, Muhammad** and Ahmed, Syed Muhammad (2012), “An Empirical Assessment of Contractor Top Management Commitment and Support towards Safety in the U.S. Construction Industry”. Third International Conference on Construction in Developing Countries (ICCIDC–III) “Advancing Civil, Architectural and Construction Engineering & Management”. July 4-6, 2012, Bangkok, Thailand.

8. Farooqui, Rizwan U., **Umer, Muhammad**, Hussain, Etikaf, Saleem, Farhan, “A Comparative Study Between Schedule Based Costing & Traditional Costing Techniques- Case Study of a Building Project”. Third International Conference on Construction in Developing Countries (ICCIDC–III) “Advancing Civil, Architectural and Construction Engineering & Management” July 4-6, 2012, Bangkok, Thailand.
9. Farooqui, Rizwan U., **Umer, Muhammad** (2012), “Assessment of Current Safety Attitudes and Approaches of Contractor Management in the Construction Industry – The U.S Experience”. CIB W099 International Conference on “Modelling and Building Health & Safety” 10 – 11 September 2012, Singapore
10. Farooqui, Rizwan U., **Umer, Muhammad** (2012), “Implementing Total Safety Management in the U.S. Construction Industry - Benefits, Opportunities, and Challenges”. CIB W099 International Conference on “Modelling and Building Health & Safety” 10 – 11 September 2012, Singapore
11. Farooqui, Rizwan U., **Umer, Muhammad** (2012), “Role of TQM in Enhancing Safety Culture in the U.S. Construction Industry: Varied Perspectives”. CIB W099 International Conference on “Modelling and Building Health & Safety” 10 – 11 September 2012, Singapore
12. Farooqui, Rizwan, **Umer, Muhammad** An Assessment of the Combined Effects of Quality and Safety on Construction Productivity- The US Experience. Seventh International Conference on Construction in the 21st Century (CITC-VII) “Challenges in Innovation, Integration and Collaboration in Construction & Engineering” December 19-21, 2013, Bangkok, Thailand
13. Farooqui, Rizwan, **Umer, Muhammad** An Empirical Assessment of Factors Affecting Safety Performance of Subcontractors: The U.S. Industry Perspective. Seventh International Conference on Construction in the 21st Century (CITC-VII) “Challenges in Innovation, Integration and Collaboration in Construction & Engineering” December 19-21, 2013, Bangkok, Thailand
14. **Umer, Muhammad** Farooqui, Rizwan, Role of Leadership towards implementing TQM: The U.S Experience. Seventh International Conference on Construction in the 21st Century (CITC-VII) “Challenges in Innovation, Integration and Collaboration in Construction & Engineering” December 19-21, 2013, Bangkok, Thailand
15. Farooqui, Rizwan, Raza, Asif, **Umer, Muhammad** An Assessment of Productivity Measurement Tools -Effectiveness, Satisfaction and Problems: The Florida Construction Industry Experience. Seventh International Conference on Construction in the 21st Century (CITC-VII) “Challenges in Innovation, Integration and Collaboration in Construction & Engineering” December 19-21, 2013, Bangkok, Thailand
16. Farooqui, Rizwan, **Umer, Muhammad**, Azhar, Salman Key Causes of Disputes in the Pakistani Construction Industry– Assessment of Trends from the Viewpoint of Contractors. ASC 50th Annual International Conference to be held from March 26-28, 2014 in Washington, DC
17. Khan, Raza Ali, **Umer, Muhammad**, Khan, Saqib Mansoor (2011), “Effect of basic motivational factors on construction workforce productivity in Pakistan”- International Conference on Structural Engineering, Construction and Management, Sri Lanka.

18. Khan, Raza Ali, Saleem, Farhan, Saqib, Muhammad, **Umer, Muhammad** (2011) “Benchmarking of Client’s Financial Management Practices in the Construction Sector of Pakistan”. International Conference on Structural Engineering, Construction and Management, Sri Lanka.

FUNDED PROJECTS COMPLETED

1. Project Title: Review of Procurement Practices and Timelines in Specified Departments in Sindh.

Funding Agency: The World Bank.

Role: Team Member

2. Project Title: Urban Metabolism of Megacities.

Funding Agency: Enel Foundation- Italy.

Role: Team Member

UNDERGRADUATE (FINAL YEAR) PROJECT CO-SUPERVISOR

S.NO	TITLE
1.	Designing & Operating Energy Efficient Buildings Through BIM- Exploring the Methods, Materials, Equipment and Software Tools
2.	Measuring the TQM environment of construction organizations- A step towards sustainable quality improvement in Pakistani Construction Industry
3.	Assessing the current state of Usage of Information and Communication Technology to Improve Management in a Construction Organization- A Step towards integration in the construction industry through ICT
4.	Assessment of procedures and current practices of preconstruction planning- A step towards Design-Construction integration in the Pakistani construction industry
5.	Case Based study for project success and profitability through preconstruction planning – - A step towards Design-Construction integration in the Pakistani construction industry
6.	Development of a Risk Assessment Tool- A step towards sustainable Risk Management in the Pakistani Construction Industry.
7.	Assessing the application of building information modeling on construction project life cycle.
8.	Case study of Solid Waste Management System of Various Land Uses and Recycling System
9.	Design Management Integration for Structures using Building Information Modeling (BIM).
9.	Development of an Integrated Solid Waste Management Model for Gulshan-e-Iqbal Town, Karachi.

CONFERENCE/WORKSHOP CO-ORDINATOR

1. Served as conference coordinator for “Third International Symposium on Infrastructure Engineering in Developing Countries (IEDC-2010) and 1st International Conference on Sustainable Transportation & Traffic Management”, held at Ramada Plaza Karachi. Jointly organized by NED University of Engineering and Technology (NEDUET), Karachi and Center for Advanced Infrastructure Technology (CAIT) at the University of Mississippi, USA.
2. Served as workshop organizer for the First International Workshop on Building Information Modeling (BIM) in Architecture Engineering Construction Industry of Pakistan- BIMAEC at NED UET, organized by Department of Civil Engineering, in Collaboration with McWhorter School of Building Science, AUBURN University, USA held on 2nd June, 2012
3. Served as workshop organizer for the First International Workshop on Sustaining Accident Free Environment (SAFE) In the Architecture, Engineering & Construction Industry of Pakistan: Learning from Local & Global Experience, held on 14th July, 2012 at NED UET.
4. Served as workshop organizer for one day International Workshop on Fundamentals Of Intellectual Property (IP), Organized by NED University of Engineering & Technology in collaboration with Commercial Law Development Program (CLDP), Office of the General Counsel, US Department of Commerce (USDOC) and Higher Education Commission of Pakistan (HEC)
5. Served as workshop organizer for one day International Workshop on Sustainable Quality Improvement in Pakistan (Q-SIP) at NED UET, organized by Department of Civil Engineering, NEDUET, in Collaboration with East Carolina University, USA, Florida International University, USA, and Auburn University, USA held on March 15, 2014
6. Served as workshop organizer for two-day training workshop on Contracts & Claims, organized by Department of Civil Engineering, NED University of Engineering & Technology, held between March 17-18, 2014
7. Served as workshop organizer for two-day workshop on Building Information Modeling in Architecture, Engineering and Construction Industry (BIM AEC-II), organized by Department of Civil Engineering, NED University of Engineering & Technology, held between June 2-3, 2015.
8. Served as workshop organizer for one-day training workshop on Becoming a High Impact Leader, organized by Department of Civil Engineering, NED University of Engineering & Technology, held on June 6, 2015.
9. Served as organizer for 5-Day Interactive Exam Preparation Course on Project Management Professional (PMP) for Engineers, organized by Department of Civil Engineering, NED University of Engineering & Technology, held on 01, 08, 15, 22, 29, May, 2016.

10. Served as organizer for 6-Day Hands-On Training on nD Building Information Modeling, organized by Department of Civil Engineering, NED University of Engineering & Technology, held on Fri 20, Sat 21, Fri 27, Sat 28, May & Fri 03, Sat 04, June, 2016
11. Served as organizer for 2-Day Interactive Workshop on Contracts, Claims & Disputes organized by Department of Civil Engineering, NED University of Engineering & Technology, held on Fri 20, Sat 21, May, 2016
12. Served as organizer for 4-Day Hands-On Training Workshop on Computer Aided Project Management with PRIMAVERA P6, organized by Department of Civil Engineering, NED University of Engineering & Technology, held on 25 - 26 March and 01 - 02 April, 2016
13. Served as organizer for Two-Day International Workshop on Energy Efficient Building Design for Comfort, Economics and Climate Change, organized by Department of Civil Engineering, NED University of Engineering & Technology, held on 04 - 05 April, 2016
14. Served as organizer for 1-Day International Workshop on Entrepreneurship and Business Opportunity Assessment for Engineers, organized by Department of Civil Engineering, NED University of Engineering & Technology, held on 20 February, 2016.

EDITORIAL BOARD

- Universal Journal of Industrial and Business Management by Horizon Research Publishing (HRPUB), USA
- Guest Editor for the Annual Conference Organized by Associated Schools of Construction, USA.

TRAININGS/ CONFERENCES/ WORKSHOPS ATTENDED

CONFERENCES/SEMINARS

1. ICCIDC-I 1st International Conference on Construction in Developing Countries. “Advancing and Integrating Construction Education, Research and Practice
2. Third International Symposium on Infrastructure Engineering in Developing Countries (IEDC-2010) and 1st International Conference on Sustainable Transportation & Traffic Management
3. National Road Safety Conference in 2007 at Hotel Marriot, Karachi.
4. 3rd Seminar on Urban and Regional Planning” in 2007 at N.E.D University, Karachi

WORKSHOPS ATTENDED

1. First International Workshop on Building Information Modeling (BIM) in Architecture Engineering Construction Industry of Pakistan- BIMAEC, held on 2nd June, 2012 at NED UET.

2. First International Workshop on Sustaining Accident Free Environment (SAFE) In the Architecture, Engineering & Construction Industry of Pakistan: Learning from Local & Global Experience, held on 14th July, 2012 at NED UET
3. Public Hearing of Desalination Plant proposed to be constructed at Hawk's Bay in 2008 at Federation House, Karachi.

TRAININGS ATTENDED

1. Three day training on, "Web Technologies for Academic Professionals", organized by Quality Management Cell of NED UET conducted during 16th -19th December, 2014
2. One day training on, "Research Methodology", organized by Quality Management Cell of NED UET conducted on 17th December, 2013.
3. Two (02) days training on, "I.T Tools for Academic Professionals", organized by Quality Management Cell of NED UET conducted between 19-20th September, 2013.
4. Two (02) days training on, "Analysis for Research", organized by NED UET, and conducted by RTCD on 1st & 2nd August, 2013.
5. Three (03) days training on, "Presentation & Communication Skills", organized By Quality Management Cell of NED UET conducted between 6-8th, November 2012.
6. Effective Teaching Practices", conducted by Quality Management Cell, NED University of Engineering and Technology.
7. "Duties and Responsibilities of Invigilator and Examiner", conducted by Quality Management Cell, NED University of Engineering and Technology
8. VisioWay Open Counters" (Instrument & Software) from 4th to 11th February, 2009 by Exponent Engineers.

TRAININGS DELIVERED

Delivered a session on, "Project Planning and Scheduling" in a workshop, organized by Quality Enhancement Cell, NED University during 17-19 November, 2015.

Delivered 6-Day Hands-On Training on nD Building Information Modeling, organized by Department of Civil Engineering, NED University of Engineering & Technology, held on Fri 20, Sat 21, Fri 27, Sat 28, May & Fri 03, Sat 04, June, 2016

PERSONAL SKILLS

- Excellent communicator with unique ability to work in a team.
 - Leadership capabilities.
 - Sincere and responsible.
 - Strong analytical skills.
 - Hard worker.
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COMPUTER SKILLS

- Working Knowledge of Primavera P6.
 - Working Knowledge of Primavera Project Planner 3.
 - Working Knowledge of Microsoft Project.
 - Working Knowledge of Autodesk Revit 2014.
 - Working Knowledge of Autodesk Navisworks Manage 2014.
 - Certified course on Road Calc.
 - Certified course on AutoCAD.
 - Proficient in using Microsoft Office applications.
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LANGUAGES

- Urdu
 - English
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EXTRA CURRICULAR ACTIVITIES

- Good sporting abilities
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REFERENCE

Will be available on request.
