

## **AREAS OF WORK**

Integrated Project Delivery  
Information & Communication Technology in Construction  
Accounting and Financial Management  
Project Planning, Scheduling and Controlling  
Building Information Modelling

## **EDUCATION**

Ph.D.	2014	Florida International University, Department of Civil & Environmental Engineering Major area: Civil Engineering Minor area: Construction Management
M.E.M.	2008	NED University of Engineering & Technology, Department of Civil Engineering Major area: Civil Engineering (Specialization Construction Management) CGPA: 3.90
B.E.	2006	NED University of Engineering & Technology, Department of Urban and Infrastructure Engineering Major area: Urban Engineering CGPA: 3.70

## **PROFESSIONAL APPOINTMENTS**

Jan 2010-Aug 2014	Graduate Research Assistant, Florida International University.
Sep 2008-Present	Assistant Professor, Department of Urban & Infrastructure Engineering, NED University.
April 2008 to Sep 2008	Lecturer, Department of Urban & Infrastructure Engineering, NED University.
July 2006 to April 2008	Lecturer, Department of Civil Engineering, NED University.

## PUBLICATIONS

### Journal Publication

Ahmad, I., **Azhar, N.**, & Chowdhury, A. (2019). Enhancement of IPD characteristics as impelled by information and communication technology. *Journal of Management in Engineering*, 35(1), 04018055.

Arif, F., Lodi, S.H., **Azhar, N.** (2015). "Factors influencing accuracy of construction project cost estimates in Pakistan: Perception and reality." *International Journal of Construction Management (IJCM)*, Taylor and Francis

**Azhar, N.**, Kang, Y., and Ahmad, I., (2014). " A Critical Look into the Relationship between Information and Communication Technology (ICT) and Integrated Project Delivery (IPD) in Public Sector Construction." *J. of Manage. Engg.* doi: [http://dx.doi.org/10.1061/\(ASCE\)ME.1943-5479.0000334](http://dx.doi.org/10.1061/(ASCE)ME.1943-5479.0000334)

### Conference Publications (All in Peer-Reviewed Conferences)

**Azhar, N.** and Arif, F., (2020) Potential of BIM for Decision-Making in Public Infrastructure organizations of Pakistan: Assessment through ICT practices, Proceedings of 6th International Project and Construction Management Conference (e-IPCMC2020) Istanbul Technical University, 12-14 November 2020, Istanbul, Turkey

Nadeem,F., **Azhar. N.**, Pasha, M., Rizwan, N., Arif, H., (2017) State-Of-Practice Of BIM Use For Clash Detection In Pakistan, Proceeding of The Ninth International Conference on Construction in the 21st Century (CITC-9) "Revolutionizing the Architecture, Engineering and Construction Industry through Leadership, Collaboration and Technology" March 5th-7th, 2017, Dubai, United Arab Emirates

**Azhar N.**, and Arif F. (2015) Factors Affecting BIM Use in Construction Organizations Proceedings of 7th International Civil Engineering Congress (ICEC-2015) "Sustainable Development through Advancements in Civil Engineering" June 12-13, 2015, Karachi, Pakistan, pp. 85-89, published by Institution of Engineers Pakistan (IEP).

**Azhar, N.**, Kang, Y., and Ahmad, I., (2013) "Factors Influencing Integrated Project Delivery In Publicly Owned Construction Projects: An Information Modelling Perspective", Published in the conference proceeding of Fourth International Symposium on Infrastructure Engineering in Developing Countries (IEDC 2013), December 26- 28, 2013, Karachi, Pakistan.

Arif F., **Azhar N.** and Bayraktar M. E., (2012). "Strategic Management Concepts and Practices in Pakistan: A Construction Industry Perspective." Proceedings of the

Construction Research Congress 2012: Construction Challenges in a Flat World, West Lafayette, Indiana, United States May 21-23, 2012, pp. 1530-1539

**Azhar, N.**, and Ahmad, I., (2011) “Internet-Based ICT usage in Construction Project Management: A Global Appraisal”. Published in Sixth International Conference on Construction in the 21st Century (CITC-VI) “Construction Challenges in the New Decade” July 5-7 2011, Kuala Lumpur, Malaysia

Panthi, K., Ahmad, I., **Azhar, N.**, and Arif, F. (2010) “Regional Analysis of International Construction Market Share and Impact of Financial Crisis.” Published in proceedings of the Second International Conference on Construction in Developing Countries (ICCIDC–II) “Advancing and Integrating Construction Education, Research & Practice” August 3-5, 2010, Cairo, Egypt (Co-Author)

**Azhar, N.**, and Rafeeqi, S. F. A., (2010) “Conflicts at Design and Construction Interface in Construction Industry- Special Reference to Pakistan.” Published in proceedings of the Second International Conference on Construction In Developing Countries (ICCIDC–II) “Advancing and Integrating Construction Education, Research & Practice” August 3-5, 2010, Cairo, Egypt (Principal Author)

Farooqui, R., and **Azhar, N.**, (2009) “Trends of Cost Overruns in the Construction Industry of Pakistan” published in International Symposium on Construction in Developing Economies; Commonalities among Diversities – CIBW 107 held in Penang, Malaysia from 5-7 October 2009.

Farooqui, R., **Azhar, N.**, Lodi S. H., and Rafeeqi, S. F. A., (2009) “Quantifying the Criteria for Performance Appraisal of Project Managers in Pakistani Construction Industry” in The Fifth International Conference on “Construction in the 21st Century” – CITC V held in Istanbul, Turkey from 20th – 22nd May, 2009.

Arif, F., Gazder, U., **Azhar, N.**, and Farooqui, R., (2008) “Construction Risk Insurance in Pakistan”. The Paper has been Published in First International Conference on construction in developing Countries (ICCIDC-I-2008) held in August 4<sup>th</sup>-5<sup>th</sup> 2008, Karachi, Pakistan.

**Azhar, N.**, Farooqui, R., and Ahmed, S. M., (2008) “Cost Overrun Factors in Construction Industry of Pakistan”. The Paper has been Published in First International Conference on construction in developing Countries (ICCIDC-I-2008) held in August 4<sup>th</sup>-5<sup>th</sup> 2008, Karachi, Pakistan.

Farooqui, R., and **Azhar, N.**, (2008) “Designing for Construction Safety – A Construction Management Approach”. The Paper has been Published in 14<sup>th</sup> Rinker International Conference on Evolution of Directions in Construction Safety and Health which was held in March 9<sup>th</sup>-11<sup>th</sup> 2008, Gainesville, Florida, USA .

## **PRESENTATIONS**

Presented research paper titled “State-Of-Practice of BIM Use for Clash Detection in Pakistan” in Proceeding of The Ninth International Conference on Construction in the 21st Century (CITC-9) “Revolutionizing the Architecture, Engineering and Construction Industry through Leadership, Collaboration and Technology” March 5th-7th, 2017, Dubai, United Arab Emirates

Oral Presentation-"Does Information and Communication Technology (ICT) Facilitate Integrated Project Delivery (IPD) in Public Sector Construction?" *Graduate Student Appreciation Week 2014*, March 31, 2014, Florida International University.

*CRC 2012 Poster Session 2012*-Poster Presentation titled “Integrated Construction Project Delivery Systems in the Us Public Sector: An Information Modeling Framework” at Construction Research Congress (CRC) 2012 PhD Student Poster Session, May 21st 2012.

Presented research paper titled “Quantifying the Criteria for Performance Appraisal of Project Managers in Pakistani Construction Industry” in The Fifth International Conference on “Construction in the 21st Century” – CITC V held in Istanbul, Turkey from 20th – 22nd May, 2009.

## **RESEARCH PROJECT**

*“Development of a Strategic Model for Improvement of Construction Project Management Education, Research, and Practice in Pakistan”* currently underway with the collaboration of *Department of Civil Engineering, N.E.D. University of Engineering & Technology Karachi , Florida International University and USAID*  
(Role: Project Team Member)

## **INVITED LECTURES/ SPEECHES / TRAININGS**

Trainer in Day Workshop on Construction Cost Engineering & Control, organized by NED University of Engineering & Technology, February 26 – 27<sup>th</sup> 2016.

The “Entrepreneurship for Engineers” Course for Extended Internship Program (EIP). Jointly Organized by Pakistan Petroleum Limited (PPL) and NED University of Engineering and Technology, Karachi. May 20th, 2015 to June 24th, 2015.

## **SEMINARS CONFERENCES AND WORKSHOPS**

### **Organized**

Coordinator and member of organizing committee of the “*Second International Conference on Construction in Developing Countries-ICCIDC-II*” jointly organized by Department of Civil Engineering, NED University of Engineering and Technology, Karachi and Florida International University Miami, USA and MSM, Misr for Services & Maintenance Construction Engineering Services Cairo, Egypt to be held on August 3-5, 2010 in Cairo, Egypt.

Coordinator and member of organizing committee of the “*First International Conference on Construction in Developing Countries-ICCIDC-I*” jointly organized by Department of Civil Engineering, NED University of Engineering and Technology, Karachi and Florida International University Miami, USA, due to be held on August 4-5, 2008 at Ramada Plaza Karachi Airport Hotel Karachi, Pakistan

The “International Workshop on Cement Based Materials and Civil Infrastructure CBM-CI” organized by Department of Civil Engineering, NED University of Engineering and Technology held on December 10-11, 2007 at Pearl Continental Karachi, Pakistan.

Member organizing committee of the “Local Workshop on Improving Construction Project Management Practices in Pakistan: Assessment of Research Findings and the Way Forward” organized by Department of Civil Engineering, NED University of Engineering and Technology held on August 29, 2007 at NED University of Engineering and Technology Karachi, Pakistan.

Member organizing committee of the “Local Workshop on Advances in Construction Engineering, Management and Implementation Practices: the US Experience organized by Department of Civil Engineering, NED University of Engineering and Technology held on January 06, 2007 at NED University of Engineering and Technology Karachi, Pakistan.

Member organizing committee of the Local Workshop on Strengthening The Role of Academia in Development of Construction Engineering & Management Education in Pakistan organized by Department of Civil Engineering, NED University of Engineering

and Technology held on August 10, 2006 at NED University of Engineering and Technology Karachi, Pakistan.

**Attended**

The Ninth International Conference on Construction in the 21st Century (CITC-9) “Revolutionizing the Architecture, Engineering and Construction Industry through Leadership, Collaboration and Technology” March 5th-7th, 2017, Dubai, United Arab Emirates

5<sup>th</sup> Workshop on Developing Industry Driven Technologies, Organized by ORIC-NED University, PASTIC, IRP, January 05, 2015.

Construction Research Congress 2012: Construction Challenges in a Flat World, West Lafayette, Indiana, United States May 21-23, 2012,

“Florida Infrastructure Sustainability Forum” jointly organized by Florida International University, College of Engineering and Computing (CEC) and Titan America, LLC on February 18, 2010 at FIU.

The Fifth International Conference on “Construction in the 21st Century” – CITC V held in Istanbul, Turkey from 20th – 22nd May, 2009.

“Action Research Workshop” held on May 19, 2009, Istanbul Turkey

International Conference on Construction Industry-ICCI held on the occasion of Build Asia-2007 organized Jointly by E-Commerce Gateway and NED University of Engineering and Technology, Karachi on August 28, 2007 at Expo Center Karachi

Seminar titled as “*Performance Based Earthquake Engineering and Applications to the Evaluation and Retrofit of existing buildings*” organized by ACI-Pakistan Chapter held on July, 21, 2007 at NED University of Engineering and Technology, Karachi.

**CERTIFICANTIONS/COURSES/COMPUTER SOFTWARE PROFICIENCY**

“Technical Computing with MATLAB”-Certified Course from Quality Enhancement Cell, NED University.

Certified Professional Course Total Quality Management and Risk Management from Center for Continuing Engineering Education (CCEE) NED University of Engineering and Technology.

Certified Course of MS Project from International Office Products.

Certified Course of AUTOCAD from Autodesk Authorized Training Center.

## **SERVICES**

### **Journal Reviewer**

International Journal of Construction Management, Taylor and Francis Publications

### **Conference Proceedings Reviewer**

Sixth International conference on Construction in 21st Century (CITC –VI), Kuala Lumpur, Malaysia, July 5-7 2011

Fourth International Symposium on Infrastructure Engineering in Developing Countries (IEDC 2013)

## **TEACHING (*Major Courses*)**

### **Undergraduate Courses**

Construction Planning and Management (UE-406)

Construction Contracts (CN-323)

Financial Resource Management (CF-401)

Principles of Engineering Construction (UE-318/UE-303)

Management and Marketing of Construction Services (CN-423)

Leadership, Human and Entrepreneurship Skills in Management (CN-419)

Construction Jobsite Management (CN-329)

### **Graduate Courses**

1. Project Management Framework & Tools (NEDUET)
2. Accounting and Financial Management (NEDUET)
3. Organizational Structures (NED UET)
3. Special Topics-CII Best Practices (FIU as Research Assistant)
4. Topics in International Construction (FIU as Research Assistant)

## **MEMBERSHIPS AND AFFILIATIONS**

Registered Member Pakistan Engineering Council (PEC)

Lifetime Member of NED Alumni Network