

FARHAN SALEEM

Department of Civil Engineering, NED University of Engineering & Technology, Karachi, Pakistan

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Proven educational and practical expertise in the following areas of Construction Project Management:
Project Planning and Scheduling, Project Estimation, Project Monitoring, Evaluation, Reporting & Control, Cash Flow Analysis and Budgeting, Delay analysis, Safety Management, Risk Management, Construction Process Re-engineering, Productivity Assessment and Improvement

EDUCATION

MS	Construction Engineering and Management, FIU, Miami, USA (CGPA: 3.82/4.0)	2008
MS	Computer Science, Karachi University, Pakistan	2002
B.E.	Civil Engineering, NED University of Engineering & Technology Karachi, Pakistan	1999

APPOINTMENTS

Nov 2006– to date	Assistant Professor, Department of Civil Engineering, NEDUET, Pakistan
Jan 2007 – Dec 2008	Graduate Research Assistant, Department of Construction Management, FIU, USA
Mar 2004 – Oct 2006	Project Management Consultant, SUR Construction (Plc.) Ethiopia
Jan 2002 – Feb 2004	Manager Planning and Development, TEAMS, Pakistan
Jan 2001 – Dec 2002	MS Student, Karachi University, Pakistan
Jun 1999 – Dec 2000	Design Engineer, Arif & Associates, Pakistan

SELECTED WORK EXPERIENCE

Assistant Professor, Department of Civil Engineering, NEDUET, Pakistan (Jan 2009 – to date)

- Taught following undergraduate and Postgraduate courses;
Undergraduate Courses: Construction Planning and Management, Engineering Construction, Civil Works Quantity and Cost Estimation and Engineering Mechanics
Postgraduate Course: Advanced Topics in Project Management, Project Management Framework & Tools

Graduate Research Assistant, Department of Construction Management, FIU, USA (Jan 2007 – Dec 2008)

- Detailed Cost Analysis and Estimation of Dining Facility at University of Florida, Gainesville, FL
- Application of Value Engineering to reduce the overall cost for Residential House, Miami, FL.
- Economic Analysis of Aluminum Roofing System (Green Roof) for Sustainable Construction in Florida Construction Industry.
- Assessment of bid procurement strategies and proposal for implementation of best value procurement system for the construction industry.
- Development of Strategies to Improve Productivity of Testing And Evaluation of Existing Structures.
- Analysis Of Non-Fatal Injuries And Illnesses Among Construction Workers Of Building And Heavy Construction Sectors of US Construction Industry.
- Assessing the optimum percent of design prior to commencing construction on Design-Build projects on the commercial and infrastructure section of Florida Construction Industry.
- "DRIVE TO 25" Application of DMAIC (Define, Measure, Analyze, Improve, and Control) for Spirit Airlines, USA, which is the five phase improvement cycle that has become increasingly common in Six Sigma organizations and used for process improvements
- Decision And Risk Analysis In Construction, Case Study (using Monte-Carlo Simulation and @RISK software)

Project Management Consultant, SUR Construction (Plc.) Ethiopia (Mar 2004 – Oct 2006)

- Successful development and implementation of Construction Management System, which include following deliverables:
Project Management Area: Project Planning Procedures, Project Management Software, Target Setting Procedures, Monthly Progress Reporting Procedures, Daily Activity Log Procedures, Quality

Control Checklists, Forecasting Techniques, Working Methodologies, Periodic Site Meeting Procedures and Earned Value Analysis Procedures.

Operations Management Area: Strategic Marketing Plan, Quality Management Plan, Health and Safety Plan, Risk Management Plan and Project Breakdown Standardization.

Contract Management Area: Tendering Stage Procedures, Team Development Procedures, Contract Management, Procedures, Change Control Management, Resource/Cost Monitoring Procedures, Performance Standards.

- Project Planning and Control of Highway and Building projects for over \$200 M value for ERA (Ethiopian Road Authority) and AACRA (Addis Ababa City Roads Authority)
- Provide assistance for preparing project estimates for Commercial Division, SUR Construction (Plc.)
- Provide assistance for analysis of claims and preparation for Contract Administration Division, SUR Construction (Plc.) Ethiopia
- Provide assistance for preparing Business Plan for SUR Construction (Plc.) Ethiopia

Manager Planning and Development, TEAMS, Pakistan (Jan 2002 – Feb 2004)

- Implementation of Computer Aided Project Management System for Production Planning and Resource Optimization for FC Engineering (Dollar Industries Pakistan)
Deliverables: Computer Aided Program Planning and Progress Reporting, Resource Optimization, Cost Budgeting and Cash Flows, Variance Analysis Reports
- Portfolio Management at Project Management Office for Techno Consult International, Pakistan
Deliverables: Multi-Project Management at multi-user environment, Computer Aided Program Planning and Progress Reporting, Cash Flow Analysis, Earned Value Analysis
- Project Management of 2nd 100 MGD K-III Project for Techno Consult International, Pakistan
Deliverables: Master Planning of proposed packages, Complete Document Control of project packages, Detailed Schedule for Construction of proposed packages
- Project Management of RBOD Extension from Sehwan to Sea for Mott McDonalds Pakistan (MMP)
Deliverables: Computer Aided Project Planning & Controlling, Control Level Scheduling of Contracts, Resource planning and Cost Budgeting

Design Engineer, Arif & Associates, Pakistan (Jun 1999 – Dec 2000)

Involved in structural analysis and design of various construction projects including;

- Jan textile mill,
- Silver Sands Shopping Mall,
- Design of Double Tee Pre stressed Girders and Ledges,
- Design of Bungalows and Multi-Storied buildings.

RESEARCH EXPERIENCE

FUNDED RESEARCH

Development of a Strategic Model for Improvement of Construction Project Management Education, Research and Practice in Pakistan; Amount: \$403,000.00 (\$130,000 for FIU and \$270,000 for Pakistan); Funded by United States Agency for International Development (USAID) and the Ministry of Science and Technology (MoST) Pakistan.

PUBLISHED RESEARCH

“Analysis of workplace injuries among Hispanic construction workers due to safety hazards”, 2007. Fifth LACCEI International Latin American and Caribbean Conference for Engineering and Technology (LACCEI’ 2007) “Developing Entrepreneurial Engineers for the Sustainable Growth of Latin America and the Caribbean: Education, Innovation, Technology and Practice”, Tampico, México, May 29 – June 1.

“Risk Management Perceptions and Trends among Construction Contractors in Pakistan”, 2007. Fourth International Conference on Construction in the 21st Century: Accelerating Innovation in Engineering, Management and Technology (CITC IV 2007), Gold Coast, Australia, July 11-13.

“Developing Safety Culture in Pakistani construction industry – Site Safety Implementation and Safety Performance Improvement”. 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.

"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.

"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.

CORPORATE TRAINING

Training Delivered in the discipline of **Computer Aided Project Management** for following organizations:

- SUR Construction Plc, Ethiopia
- FC Engineering (Dollar Industries) Pakistan
- Quaid-e-Awam Engineering University, Nawabshah, Pakistan

CONFERENCE AND WORKSHOPS ORGANIZED

Conference Coordinator and member 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, FL

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 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 Karachi, Pakistan

Conference Coordinator of the "Second International Conference on Construction in Developing Countries-ICCIDC-II" jointly organized by Florida International University Miami, FL, Department of Civil Engineering, NED University of Engineering and Technology, Karachi and MSM, Misr for Services & Maintenance Construction Engineering Services, Cairo, Egypt

COMPUTATIONAL SKILLS

Primavera Project Planner (P3), MS Project, Precision Tree, @RISK, MS Office Suite

REFERENCES

Will be furnished upon request.