

Fatima Khalid

Lecturer in Civil Engineering Department, NEDUET

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Academic Qualification

2015	ME Structural Engineering from NEDUET, Karachi <i>Dissertation: Macro Modelling of masonry infill RC frames</i>	
2013	BE Civil Engineering from NEDUET, Karachi	87.01% (2 nd position)

Experiences

August 2016	Lecturer at NED University of Engineering & Technology, Karachi <ul style="list-style-type: none">➤ Mechanics of Solids-II➤ Engineering Materials➤ Structural Design and Detailing
January 2015- July-2015	Research Assistant at NED University of Engineering & Technology, Karachi <ul style="list-style-type: none">➤ Seismic Evaluation of existing Agha Khan schools in Pakistan according to ASCE 31-03➤ Modelling/Analysis on Etabs and completed Tier 1, 2 and 3 according to FEMA➤ Seismic Assessment of Immigration Office at Karachi
May 2014- December 2014	Bridge Design Engineer at AA Associates, Karachi <ul style="list-style-type: none">➤ Design and Analysis of Reinforced Concrete Bridges using SAP, CSI Bridge and SAFE software➤ Design and Analysis of Retaining walls and buildings
May 2012- June 2012	Internee at NESPAK, Karachi <ul style="list-style-type: none">➤ Analysis of structure of Fauji Fertilizers residential colony manually➤ Manual Analysis checked by ETABS after modeling

Certifications

October 2014	PEC Registered as Registered Engineer
March 2013	Computer Aided Project Management with MS Project 2010

Research Activities

- **Working on Master thesis (July-15 till now)** : Macro Modelling of masonry infill RC frames
- **Research based Final year Project:** Development of Ground Motion Attenuation Relationships Using Worldwide Seismic Data
- **Seismic design of 7 storey building**

- **Term Paper Report:** Project Management success- Case Study of Pakistan
- **Town Planning Project:** Base Line Study of problems in Malir Cantt, Karachi
- **Statistical Report:** Factors affecting percentages of student using SPSS software

Seminars/Workshops

“Business Ethics Communication and Data Controlling”, Seminar conducted at NEDUET Karachi, Pakistan on 12th August, 2016.

“Recent Advancement in Earthquake Engineering and Seismology in South Asian Countries”, Workshop held at NEDUET, Karachi, Pakistan on 9th and 10th August, 2016

Technical Skills

- **Engineering Tools:** AutoCAD, SAP, CSI Bridge, CSI col, Response 2000, SAFE, MATLAB, Etabs, SPSS, Seismosignal, SeismoStruct, TNO Diana
- **Office Automation:** MS Word, MS Excel, MS Power point, MS Project, MS Access
- **Language:** Fortran