

ADNAN RAIS AHMED

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AREA OF INTEREST I have developed an interest and skill in designing of Reinforced Concrete and Steel Structures, after going through the designing experience and due to the concepts developed under the M.E. (Structures) & B.E. (Civil) course contents. And I believe that I can effectively use my knowledge and experience in discovering new aspects of the field, along with delivering it to the next generation.

EDUCATION

Masters in Structural Engineering 2011
Enrolled in NED University of Engineering & Technology for the 2008-09 batch
Undergoing through the degree program at the current date.
A passing date until the end of 2011 is expected.

Bachelors in Civil Engineering 2008
Enrolled in NED University of Engineering & Technology for the 2004-05 batch.
Obtained 1st division, with a 70% average score.

Advanced levels 2004
Appeared as a private candidate for Physics and Mathematics in 2003, and for Chemistry in 2004.
Obtained an average of 83 % in the above subjects

Ordinary levels 2001
Appeared as a candidate, on behalf of The City School (North Nazimabad, Karachi), for Physics, Chemistry and Computers as optional subjects.
Obtained an average of 80 %

OTHER

**ACHIEVEMENTS &
EXPERTISE**

Auto Cad 2004-07

A primitive understanding of **Perform 3D**

Analysis and design of structures using **ETABs (v9.5)**

Analysis and design of structures using **SAFE (v12)**

Analysis and design of structures using **SAP (v14)**

Analysis of columns using **PCACOL**

Analysis of In-determinant frames using **GRASP**

Microsoft Office 2003-07

Programming applications using **Microsoft Visual Basic 6.0**

Attended **USAID Workshop** at NED University, for nonlinear analysis and retrofitting of existing buildings with infill masonry walls.

Participated in **CORSET**, competition organized by NED University for retrofitting of an existing 8 story building with infill walls, using **Pushover analysis**.

An **Internship at Lyari Expressway** for a duration of 2 weeks in the summer of 2007, covering the laboratory testing n laying up of rigid slabs, curbs, reinforced earth, and drainages.

Final year project based on Post Fire Evaluation of RCC structures, under the supervision of **Prof. Dr. Sahabzada Farooq Ahmad Rafeeqi**.

WORK EXPERIENCE Have been working with Mushtaq & Bilal Consulting Engineers, since January 2009, up to date. During my current employment I have worked on the designs of various structures, some of which are stated under:

Recreational Structures:

▪ **Sheraton Golf City Club House, Islamabad:**

Project comprises of a 2 basements & G+2 circular club area, with overhead domes; a beam-slab moment resisting structural system was used with a raft/mat foundation. Structure was designed in accordance with SBC-2007 provisions for seismic zone III.

Hospitals:

▪ **Sheikh Khalifa Bin Zaid hospital, Islamabad:**

Project comprises of a basement & G+2 area for diagnosis and trauma center along with a helipad, and a G+5 story tower for patient rooms; a Flat-Slab with dual system was used with raft/mat foundation. Structure was designed in accordance with SBC-2007 provisions for seismic zone IIB.

Factories:

▪ **Extension Block for Exide Pakistan Ltd, Karachi:**

Project comprises of a G+2 Structure for storage of lead and other heavy commercial machinery; a beam-slab moment resisting structural system was used with raft/mat foundation. Structure was designed using SBC-2007 provisions for seismic zone IIB.

Academic Institutions:

▪ **IBA Institute of Sukkur:**

Project comprises of 3-4 story multiple blocks for administration, library and hostel purpose; a beam-slab moment resisting structural system was used with isolated & raft/mat foundations. Structure was designed in accordance with SBC-2007 provisions for seismic zone IIB.

▪ **Foundation Public School, Hyderabad:**

Project comprises an extension of a 3-story Building for auditorium and educational purpose; a beam-slab moment resisting structural system for educational area and flat slab moment resisting structural system for the auditorium was used with isolated & combined foundations. Structure was designed in accordance with SBC-2007 provisions for seismic zone IIA.

Residential Projects:

▪ **Pearl Dune Residency, Karachi:**

Project comprises of eight 20-story towers with 2 basements for residential use and a 3-story podium area for parking; a beam-slab dual structural system was used with isolated & raft/mat foundations used. Structure was designed in accordance with SBC-2007 provisions for seismic zone IIB.

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▪ **Bismillah Castle, Karachi:**

Project comprises of a basement & G+15 story Structure for residential, parking and commercial purposes; a beam-slab dual structural system was used with raft/mat foundation. Structure was designed in accordance with SBC-2007 provisions for seismic zone IIB.

Hotels:

▪ **Nishat Suites, Lahore:**

Project comprises of a 4 basement & G+8 story Structure for parking, dining, administration and suites; consists of a flat slab-column frame with shear wall interaction structural system, with a pile cap/raft foundation. Structure was designed in accordance with SBC-2007 provisions for seismic zone IIA.

Bungalows:

- I've designed a number of bungalows (Karachi) comprising of a basement and G+2 structure for residential and recreational purposes; beam-slab moment resisting structural system was used with isolated &/or raft/mat foundations. Structure was designed in accordance with SBC-2007 provisions for seismic zone IIB or only for gravity, if the client does not demand seismic provisions.

Vettings:

- Have vetted the pile cap/raft foundation of the 25 story Avari Towers (Islamabad), in accordance with SBC-2007 provisions for seismic zone IIB. Alongside some other vettings have been done also.

EXTRA CURRICULAR ACTIVITIES	Participated in Table Tennis games, at school level Represented the Basketball team of The City School (Gulshan A Levels Branch) Played Cricket for the Student Sports Club for 2 years, under the KCCA regulations, as a Batsman/Bowler Other sports include, Badminton n 400m sprinting.
LANGUAGES SPOKEN	Urdu , as native language English , speak fluently and read write with high proficiency.

References will be provided on request.