

# Muhammad Saad Khan

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## Education

- B.E in Civil Engineering from NED University (CGPA 3.767 2<sup>nd</sup> Rank in Dept.) 2014
- Intermediate from Bahria College Karsaz Karachi (81%) 2010
- Matriculation from R. R. Memorial Public School (86%) 2008

## Research and Achievements

- Obtained overall Second Position in Department of Civil Engineering, Batch 2010-2011
- Modelling (Macro Model as Single Compression Strut) and Behavioral study of Masonry in Concrete framed structures under lateral loads using SAP2000, as Final Year Thesis.
- Developed Structural Analysis Program using Matlab
- Developed extensive modules for software regarding beam analysis using FORTRAN.
- Formulated report based on Town Planning of "Landhi Town 1, Karachi".

## Seminar & Lectures Attended

- Entrepreneurship seminar organized by TAMEER & OPEN Karachi
- Seminar on behavior of multi-storied building behavior due to infill under seismic loading
- Seminar on Successful Project Management by PMI Karachi Chapter
- 2-Day International Workshop on "Building Information Modeling in Architecture, Engineering & Construction Industry"
- 1-Day Workshop on "Becoming a High Impact Leader"
- 1-Day International Workshop on "Leadership Development for Engineers and Technical Managers"

## Experience

- **NED University of Engineering & Technology (Mar 2015 till Date)**  
*Designation: Lecturer, Department of Civil Engineering*  
*Teaching Responsibilities:*
  - *Practical Classes:* Engineering Surveying-I, Transportation Engineering-II
  - *Design Classes:* Structural Analysis-I, Design of Steel Structures, Reinforced Concrete Design-I, Sustainable Technologies and Disaster Management
- **Jaffer Brothers Pvt. Ltd. (Jaffer Agro) (Jan 2015 – Feb 2015)**  
*Designation: Design Engineer in "HEIS" (High Efficiency Irrigation Systems) Department*  
*Responsibilities: Design of Drip Irrigation systems (part of 'PIPIP' Punjab Irrigation Proficiency Improvement Project)*

## Relevant Computer Based Skills:

- **Computer Aided Design and Analysis:**  
SAP2000, Response2000
- **Computer Aided Project Management:**  
Primavera P6 (Certificate Course from SBTE Recognized Institution)
- **Computer Aided Drawing:**  
AutoCad (Certificate Course from AutoDesk Certified Professional)
- **Computer Languages & CAS (computer algebra systems):**  
FORTRAN, Matlab, Octave, Mathematica
- **Computer Aided Statistical Analysis:**  
Minitab, SPSS

## Reference

Will be provided on demand