NED ACADEMY

3 Days Interactive Course on

ANALYSIS AND DESIGN OF BUILDING STRUCTURES ON ETABS

TO APPLY THE ENGINEERING KNOWLEDGE TAUGHT IN THE LECTURE ROOMS IN REAL INDUSTRIAL SITUATIONS.

ABOUT THE PROGRAM

There are different types of commercial and research computational tools of analysis and design of high rise buildings available nowadays, these tools are quite effective if the designer have full command on it. Amongst those computational tools Extending Three Dimensional Analysis of Building System (ETABS) is quite effective and popular because of number of reasons such as different types of building like concrete, steel and composite building can be design on it. It contains several design and seismic codes such as ACI 318, EC2, EC8, NTC08, UBC-97, IBC, BS code etc. Moreover, it can also be used to evaluate the capacity of existing building structures by using advance nonlinear analyses such as nonlinear static and nonlinear time history analyses. ETABS not only design conventional structure like fixed base structure but it can also use to design and analyze base isolated structure and a structure with buckling restrain frame these innovative and effective framing system are nowadays quite popular in high seismicity regions.

ETABS Advanced

KEY TAKEAWAYS

- *Modeling, analysis and design of different types of building system.*
- *Efficient and effective use of building codes such as ACI318, UBC-97 and IBC.*
- *Standard Detailing of different types of building components.*
- *Knowledge of advance methods of analysis.*

LEARNING METHODOLOGIES

- *Lectures/ Presentations*
- *Handouts*
- *Q/A Sessions*
- *Real Life Examples from Projects*
- *Problem Solving*

WHO SHOULD ATTEND

- *Professional Engineers*
- *Junior Engineers*
- *Mid Level*
- *Non-Engineers (Other Professionals)*
- *Junior Level*
- *Mid-Level*
- *Senior Level*
- *Corporate Sector*
- *Any Graduates*

CCEE

CENTRE FOR CONTINUING ENGINEERING EDUCATION

MEET YOUR EXPERT FACILITATOR

Name: Dr. Aslam Faqeer Mohammad

Designation: Assistant Professor
Department: Department of Civil Engineering
Organization: NED UET
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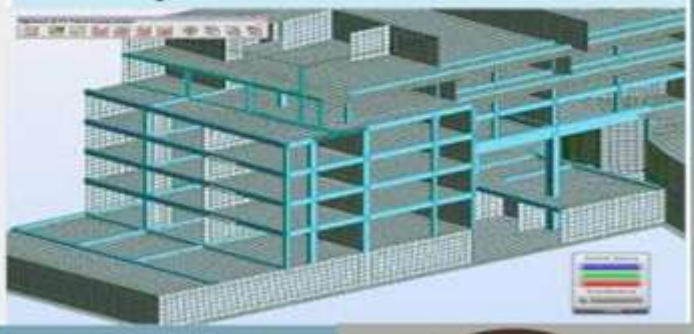
Dr. Aslam Faqeer Mohammad is assistant professor in Department of Civil Engineering, NED University of Engineering and Technology. His research interests are to investigate the seismic response of reinforced concrete frame structures and particularly infilled frame buildings which are the preeminent representative of non-engineered building stocks in Pakistan.

LEARNING OBJECTIVES

- The primary objective of this training course to get knowledge how to design different types of building structures using ETABS.

- Application of different building codes in the design of concrete and steel structures



PROGRAM CONTENT

- Introduction to ETABS software environment
- Modeling of 3D Reinforced Concrete MRF Building
- Analysis and Design of 3D Reinforced Concrete MRF Building
- Discussion on different Moment Resisting Frame
- Analysis of 3D Reinforced Concrete Dual Frame Building
- Design of Dual frame Reinforced Concrete Building
- Design of Shear wall
- Discussion on different types of dual frame structures
- Modeling of 3D Building Frame Reinforced Concrete Structure
- Analysis and Design of Building Frame Reinforced Concrete Structure
- Modeling of 3D Steel Frame Building Structure
- Discussion on different types of steel frame structures
- Analysis and Design of Steel Frame Building
- Modeling of Composite Building
- Analysis and Design of Composite Building

SATURDAYS ONLY

STARTING FROM 30 DECEMBER 2017

Time:9:15am-4:15pm

INVESTMENT

PKR 15,000 per Participant

Investment Includes: Course ware, Certificate, Group Photo, Lunch, Tea

Course is valid For ONE CPD Credit Point as Per PEC BY-LAWS

SPECIAL FEATURES

- lectures, Demonstration, Hand-on Design, Model Testing, Experience Sharing and Discussions-All under one roof.
- Discussions and Q/A sessions for maximum participation.

For Registration and Details, Please Contact:

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