

UDIT RASTOGI

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EDUCATION

University at Buffalo, The State University of New York

MS in Structural and Earthquake Engineering (Expected Graduation: June – 2012)

Manipal University, Manipal, India

BE in Civil engineering, GPA 3.26/4.0

Project: Non – linear analysis of laterally loaded piles by FEM using C language

Key Course Work

Advanced Structural Analysis, Finite Element Method, Structural Design (Concrete and Steel), Earthquake engineering, Passive Supplement Damping and Seismic Isolation of Structures.

PUBLICATIONS

“Finding the Tension side & Deflection profile of a Structural Member by Observing Moment Directions”, ACECOMS Magazine, Asian Institute of Technology, Thailand – March 2010

EMPLOYMENT HISTORY

FREELANCE STRUCTURAL ENGINEER (Association: Shradha DesignTech Pvt Ltd, Bangalore), July 2009 – August 2010

- Responsible for meeting with clients and architects for projects.
- Analysis and design of structures, according to Indian codes, in collaboration with Bangalore team.

WS ATKINS (INDIA) PVT LTD (www.atkinsglobal.com), January 2008 – July 2009

Assistant Structural Engineer

- Responsible for the analysis and detailed design of structures, which include high rise buildings, shopping malls, and hotel buildings using ETBS, STAAD and PROKON.
- Involved in co-ordination of multidisciplinary elements including architecture, services, electrical, and HVAC.

INFOSYS TECHNOLOGIES LIMITED (www.infosys.com), September 2005 – January 2008

Software Engineer

- Worked as a web server administrator for Pfizer. Involved in support activities for IIS Web server which include capacity planning for websites, website publishing and retirement and web trend report generation.

PROJECTS

COLLEGE BUILDING AT AMBALIKA INSTITUTE OF MANAGEMENT AND TECHNOLOGY, Lucknow, India

- Project consists of a college building (G+2) with built-up area of 21,000 square feet approximately.
 - Overall progress of the project, delivery schedule planning and co-ordination with architects.
 - Analysis and design of structures and calculation of steel and concrete quantities.
 - Designed all the structural elements including foundations, slabs, beams, and columns.
 - Issue of drawing and handling site queries.

KONDAPUR TOWERS (www.atkins-me.com/ProjectDetail.aspx?ProjectID=231)

- Project consists of 20 towers of 2B+G+ 19 stories, extended basements and clubhouse.
 - Analysis of 5BHK tower, extended basements and clubhouse for seismic zone II (IS: 1893-2002) and wind velocity of 44m/s in ETABS.
 - Designed structural elements including slabs, beams, columns and staircase. Ground floor of extended basement was designed for fire tendon movement as moving loads.
 - Developed a standard format for calculating shear capacity of column section and grouping of columns.
 - Documentation of all project drawings.

LULU SHOPPING MALL AND HOTEL (www.atkins-me.com/ProjectDetail.aspx?ProjectID=232)

- Project consists of 5 blocks of B+G+4 storey shopping mall and a 20-storey hotel, with swimming pool at 2nd floor and a helipad at roof, designed for seismic zone III of Indian standard 1893-2002.
 - Involved in the design and checking of beams, slabs, columns and pile caps and calculation of steel quantity for revised portion of the project.

PROFESSIONAL AFFILIATIONS

Earthquake Engineering Research Institute (EERI) – Student Member

American Society of Civil Engineers – Student Member