

ALOK DESHPANDE

6 Krushnali, S B Road,
Pune – 411016.
India.

Home: +91 20 2565 6399
Cell: +91 94049 28862
deshpandevalok7@gmail.com

Education

2010-2011 GPA: 3.96	Master of Science in Civil Engineering (Structures) <i>University of Illinois at Urbana-Champaign</i>
2006-2010 GPA: 9.10 (/10)	Bachelor of Technology in Civil Engineering <i>College of Engineering, Pune</i>

Research Experience

Apr 2014 – current	Project Officer <i>Indian Institute of Technology Madras (India)</i> <ul style="list-style-type: none">• Co-author of book on “Seismic Design of RC Buildings”• Quantification of nonlinear behavior of RC components• Development of a consistent strain and displacement based approach to design• Review of existing procedures for seismic design• Earthquake Performance Assessment of RC buildings
May – Jun 2009	Research Assistant <i>Institute for Experimental Mechanics, HTWK Leipzig (Germany)</i> <ul style="list-style-type: none">• Nonlinear Finite Element Safety Analysis of old Masonry rail bridges

Professional Experience

Jan 2012 – Mar 2014	Design Engineer <i>Leslie E Robertson Associates, New York (USA) & Mumbai (India)</i> <ul style="list-style-type: none">• Development of design and construction documents for high-rise buildings in India• Regular site-visits, development of design spreadsheets• Design coordination with the contractor and architect
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Teaching Experience

Aug – Dec 2012	Teaching Assistant <i>Department of Civil Engineering, University of Illinois at Urbana-Champaign</i> <ul style="list-style-type: none">• CEE-470 (Structural Analysis) taught by Prof. Oscar Lopez-Pamies• Graduate and undergraduate class of 90
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Conference Proceedings

‘Analysis and Modelling of Cylindrical Liquid Storage Tanks’
at the 2010 National Civil Engineering Student Symposium held at *Indian Institute of Technology Mumbai*

- Finite element studies of cylindrical steel tanks
- Development of experimental program to compare deformations in actual tanks

Certification

FE-Civil Cleared the Apr 2012 examination from *Michigan (USA)*

Relevant Coursework

Earthquake Engineering	Structural Dynamics	Reinforced Concrete Design
Probabilistic Loads and Design	Structural Mechanics	Pre-stressed Concrete
Fracture and Fatigue	Finite Element Methods	Steel Design

Skills

MATLAB, ETABS, SAP2000, AutoCAD, ABAQUS, ANSYS, ATENA, C

Awards & Scholarships

Aug – Dec 2012	Teaching Assistantship <i>Department of Civil Engineering, University of Illinois at Urbana-Champaign</i>
Jun 2010	Gold Medal <i>Department of Civil Engineering, College of Engineering, Pune</i>
Jun 2010	Gold Medal <i>Alumni Association of College of Engineering, Pune</i>
May – Jun 2009	WISE Scholarship <i>German Academic Exchange Service (DAAD)</i>

References

- Prof. C.V.R. Murty
Professor, *Indian Institute of Technology, Madras*
cvrm@iitm.ac.in
- Mr. William J Faschan
Partner, *Leslie E Robertson Associates, New York*
wjf@lera.com
- Prof. Oscar Lopez-Pamies
Associate Professor, *University of Illinois at Urbana-Champaign*
pamies@illinois.edu