


Department of Applied Mechanics

Name: Mr. Arvind Y Vyavahare, Assistant Professor	
Area of Specialization: Steel Structure, Finite Element Analysis	
Prominent journal paper publications: <ol style="list-style-type: none">1. Arvind Vyavahare, P N Godbole, Trupti Nikose, 2012, "Analysis of Tall Building for Across Wind Response", International Journal of Civil And Structural Engineering, 2 (3), 970-9772. Arvind Y. Vyavahare, L. M. Gupta, "Discussion of 'Empirical Model of the Moment-Rotation Curve of Beam-to-Beam Bolted Flush Endplate Connections' by M. R. Mohamadi-Shooreh., M. Mofid., and S. L. McCabe" Journal of Structural Engineering, ASCE (<i>Accepted for publication</i>)	

Other prominent publications (Conf.):

1. Arvind Vyavahare, L. M. Gupta., 2004, 'Structural Steel Semi-Rigid Connections – A Review', International Conference WISE-2004, Hyderabad, Dec 2004
2. Arvind Vyavahare, Abhaya Gajre, O. R. Jaiswal., 2004, 'Seismic Risk Reduction of Urban Housing Using Simple Tuned Mass Dampers, International Conference WISE-2004, Hyderabad, Dec 2004
3. K Sathish Kumar, K. Muthumani, N Gopalakrisnan, R. Srikala, V. Arvind, 2006, 'Seismic Base Isolation for Earthquake Resistant Construction of Buildings', International Conference on Earthquake Engineering, ICEE-2006 at Thanjavur (Tamilnadu)
4. Arvind Vyavahare, P N Godbole, Trupti Nikose, 2011, "Across Wind Response of Tall Buildings Using Ann", International Conference on Wind Engineering ICWE13, Amsterdam, 10-15 July 2011
5. Arvind Vyavahare, L. M. Gupta, 'Effect of Semi-rigid Connection in Structural Analysis', National seminar 'Innovative Technologies in Construction of Concrete Structures' held at K. I. T. S. Ramtek., Feb-2003

6. Arvind Vyavahare, L. M. Gupta, 'Behavior of Building Frame with Semi-rigid Connection Subjected to Wind Load', Second National Conference on Wind Engineering, VNIT Nagpur, Feb-2004
7. A Y Vyavahare, L M Gupta 'Structural Steel End Plate Connection', National Conference on Advances in Steel Structures, 08-09 June, 2007 SVNIT, Surat
8. A Y Vyavahare, L M Gupta, 'Semi-Rigid Connections – A Review' National Conference on Advances in Steel Structures, 08-09 June, 2007 SVNIT, Surat
9. Arvind Vyavahare, L. M. Gupta, 'Effect of Semi-rigid Connection in Structural Analysis', National Conference SEC-2003, at IIT Kharagpur., Dec-2003
10. A Y Vyavahare, L M Gupta, 2012, ' Stiffness of T-stub', National Conference on Computational and Applied Mathematics in Science and Engineering, December 21-22, 2012, V N I T Nagpur

Sponsored research projects, brief statement of achievements:

NIL

Consultancy research projects, brief statement of achievements:

1. Finite element analysis of Staked slab foundation for free standing steel tower,
2. Investigation of failure of transmission-line tower.

Other capabilities (administrative and other achievements):

1. Departmental Examination co-ordinator during 2006 - 2010
2. Warden of boys hostel during 2006 - 10, 2012-13
3. Member first year B Tech admission committee (AIEEE) 2006-09
4. Member first year B Tech admission committee (CCB) 2010
5. In-charge Department web-site.
6. In-charge Strength of Material Laboratory
7. In-charge Data Processing Laboratory