Graduate Research Guidance

Doctoral Dissertations:

2008 -	Rajiv Rajan	Analysis of structures for blast loading
2006 -	Sanjay Chikermane	Structural health assessment of bridges
2005 - 2009	Avik Samanta TLDs	Earthquake vibration control using modified
2004 -	Ketan Rami response	Frame-shear wall interaction in earthquake analysis of buildings
2004 -	Makarand Barve uncertain motion	Earthquake analysis of torsionally-coupled with parameters subjected to spatially varying ground
2002 – 2006	Subrata Nayak layered	Guided wave propagation and scattering in composite plates
2001 – 2007	Abhinandan Bage guided waves	Damage detection in plates using ultrasonic and ANN
1997 – 2001	Mohan Murudi	Seismic control of structures using TLDs
1990 – 1996	Mohua Chakrabarti frames under	Seismic analysis and design of multistorey ductility and energy failure criteria
1990 – 1993	Adnan Falih Ali of shear-wall	Structural idealisation for earthquake response core systems
1989 – 1996	Aurobindo Ghosh systems	Earthquake response of aboveground pipeline
1988 – 1992	Saher El-Khoriby shear walls	Structure-foundation interaction in coupled subjected to earthquake ground motions

Masters Dissertations:

2008 – 2009	Neeraj Gurjar bridges	System identification for steel through girder
2008 – 2009	N. Pavan of concrete	Experimental and analytical strength estimation in-filled steel columns
2008 – 2009	Loveleen strengthened	Analysis of reinforced-concrete structures using FRP reinforcement
2008 – 2009	Ruchika Agarwal steel girder	Parameter estimation and model updating for bridges
2007 – 2008	Prateek Jain	Damage detection using wavelet analysis
2007 – 2008	Aditya Jain	Vibration control of long span bridges
2007 – 2008	Hussen Shaik during	Analysis of pre-tensioned concrete girders construction
2007 – 2008	Subodh Shinde buildings with	Earthquake analysis of torsionally-coupled uncertain parameters
2006 – 2007	Sheeba Rana structure	Damage detection for IASC-ASCE benchmark using artificial neural networks
2006 – 2007	Roopali Chaudhary load	Analysis of <mark>composite</mark> girder bridge subjected to and environmental effects
2006 – 2007	Ankit Garg bridges	Health monitoring of pre stressed concrete
2005 – 2006	Rahul Bhattacharyya	Damage detection in bridges
2004 – 2005	Sudib Mishra orthotropic-deck	Reliability based dynamic analysis of bridge structure
2004 – 2005	Saurabh Raje pipelines	Seismic response and risk analysis of buried
2003 – 2004	Debasish Pal	Wave propagation in sandwich plates
2003 – 2004	Deepak Jain	Hybrid control of structures
2003 – 2004	Abhishek Sinha using ANN	Damage detection in a Benchmark Structure

Year	Name	Title
2002 – 2003	Samir Sayyad building	Reliability based analysis of torsionally-coupled with uncertain structural frequencies
2002 – 2003	Raj Uparkar arch bridges	Analysis of response and behaviour of stone
2001 – 2002	Sourav Banerjee composites	Analysis of wave-scattering in layered
2001 – 2002	Sachin Chavan experimental	Tuned liquid damper for structural control: studies and numerical analysis
2001 – 2002	Brijesh Pandya structural engg.	Application of artificial neural networks in
2001 – 2002	Sushant Shinde platforms	Second order wave effects on tension leg
2000 – 2001	Sauvik Banerjee composite plates	Wave propagation in homogeneous and with and without flaws
2000 – 2001	V.B. Gajbhiye using ANN	Damage detection in offshore jacket platforms
2000 – 2001	Shashikant Sarada rectangular	Static strength determination of uniplanar hollow section K-joints
1999 – 2000	K.N.V. Chandrasekhar building with	Earthquake analysis of torsionally-coupled uncertain structural parameters
1999 – 2000	Santosh Kubal	Dynamic analysis of tension leg platforms
1997 – 1998	Hemangi Pandit supports	Earthquake response of bridges on flexible
1996 – 1997	Sibi John coupled	Earthquake response analysis of torsionally- buildings using multiple tuned mass dampers
1996 – 1997	Shekhar Palshekar	Base isolation using elastomeric bearings
1995 – 1996	S. Baskaran characterisation	Application of ANN in earthquake
1995 – 1996	Rupak Ghosh RCC ductile	Evaluation of seismic margin earthquake of frames
1994 – 1995	Nemai Samanta buildings with	Earthquake analysis of torsionally-coupled uncertain structural parameters
1994 – 1995	Ganesh Variar response of	Effect of spatial variation of ground motion on torsionally-coupled buildings

1992 – 1993	Sudhir Ingole piping systems	Earthquake analysis of multiply supported
1991 – 1992	S.R. Satish Kumar coupled shear	Simplified earthquake response analysis of walls including soil-structure interaction
1991 – 1992	P.R. Shahu coupled	Earthquake response analysis of torsionally- buildings with uncertain parameters
1990 – 1991	B. Jagan Mohan Reddy multiple support	Seismic analysis of structure subjected to excitation
1989 – 1990	S. Mahapatra	Seismic analysis of chimneys and water tanks
1989 – 1990	K. Rajasekhar resisting framed	Seismic analysis of multi-storeyed moment- structures