

Theses: IIT Roorkee

Doctorate of Philosophy

Dynamic study of multistoreyed frames

[A. R. Chandrasekaran; 1964; Supervised by Jai Krishna, D. E. Hudson and G. W. Housner]

Vibration absorbers for systems subjected to earthquake type excitations

[Y.P.Gupta; 1969; Supervised by Jai Krishna and A. R. Chandrasekran]

Vibration analysis of dams

[S. S. Saini; 1969; Supervised by Jai Krishna and A. R. Chandrasekran]

Study of Inelastic Response of Multistorey Frames During Earthquake

[Brijesh Chandra; 1971; Supervised by Jai Krishna and A. R. Chandrasekran]

Response of arches under earthquake excitation

[Thakkar, S. K.; 1972; Supervised by A. S. Arya and M. B. Kanchi]

Behaviour of retaining walls under dynamic loads

[P. Kumaran Nanda; 1973; Supervised by Jai Krishna and Shamsher Prakash]

Analysis of pile foundations under static and dynamic loads

[V. Chandrasekaran; 1974; Supervised by Jai Krishna and Shamsher Prakash]

Bearing capacity of soil under static and transient load

[B. M. Basavanna; 1975; Supervised by A. S. Arya and Shamsher Prakash]

Response of well foundations under horizontal loads

[S. C. Sharda; 1976; Supervised by A. S. Arya]

Liquefaction of sands during earthquakes

[M. K. Gupta; 1979; Supervised by Shamsher Prakash]

Development of brick building systems for improved earthquake performance

[M. Quamaruddin; 1979, Supervised by A. S. Arya and Brijesh Chandra]

Static and dynamic study of cable-stayed bridges

[M.R.Sethia; 1979; Supervised by A. S. Arya and Prem Krishna]

Ductility behaviour of framed structures

[L. R. Gupta; 1985; Supervised by A. R. Chandrasekran and Brijesh Chandra]

Seismic response of friction supported bodies especially girder bridges
[K. Kumar; 1985; Supervised by A. S. Arya]

Dynamic behaviour of axi-symmetric structures
[N. C. Singhal; 1985; Supervised by A. R. Chandrasekaran]

Micro earthquakes-recording and study of their parameters for selected regions
[Ashwani Kumar; 1988; Supervised by P.N. Agarwal]

Static and dynamic analysis of earth and rock fill dams
[S. Suppiah; 1991; Supervised by A. R. Chandrasekaran and B.V.K. Lavania]

Procedures for analysis of digital telemetered seismic array data
[M. L. Sharma; 1992; Supervised by H. R. Wason]

New schemes for processing accelerograms
[Ashok Kumar; 1993; Supervised by B.C. Mathur and S. Basu]

A Ductility Displacement Based Design Procedure For Seismic Design of Reinforced Concrete Frames
[Gehad Ez-Eldin Rashad; 1993; Supervised by Sudhir Kumar Jain]

Earthquake protection of medium rise reinforced concrete buildings by base isolation
[S. K. Deb; 1994; Supervised by S. K. Thakkar and D. K. Paul]

Seismic protection of multistorey brick buildings by seismic isolation technique
[N. Brzev Svetlana; 1994; Supervised by A. S. Arya, Thakkar and S. Basu]

Behaviour of ferro-cement-reinforced concrete composite water tanks
[K. Bhattacharya; 1996; Supervised by A. R. Chandrasekaran and D. K. Paul]

Nonlinear behaviour of brick masonry subjected to in plane loading
[A. L. Guha; 1996; Supervised by A. R. Chandrasekaran and D. K. Paul]

Seismic analysis of step back and set back building
[Satish Kumar; 1997; Supervised by D. K. Paul]

Post peak response analysis of using the finite element method
[Moin Khalid; 1997; Supervised by Pankaj]

Simulation of the mechanical properties of ferro-cement plates
[Mohd. Arif; 1998; Supervised by S. K. Kaushik and Pankaj]

Finite element dynamic analysis of axisymmetric structures

[Suraj Prakash; 1998; Supervised by S. K. Thakkar and N.C. Singhal]

Behaviour of reinforced earthen embankments during earthquakes

[Mehdi Siavoshnia; 1999; Supervised by B. V. K. Lavania and V. H. Joshi]

Dynamic properties of reinforced sand

[R. K. Sharma; 1999; Supervised by B. V. K. Lavania, Swami Saran and Vipul Prakash]

Experimental study of seismic strengthening and retro fitting measures in masonry

[Pankaj Agarwal; 2000; Supervised by A. R. Chandrasekaran and S. K. Thakkar]

Seismic wave attenuation characteristics of three Indian region

[S.C. Gupta; 2000; Supervised by Ashwani Kumar]

Seismic base isolation of multistorey buildings

[S. K. Jain, 2000, Supervised by S. K. Thakkar]

Strong motion array data as response of layered elastic medium

[S.K. Agarwal; 2001; Supervised by B.V.K. Lavania, Vipul Prakash and R.N. Iyengar]

Non linear behaviour of nuclear containment shells under impact and blast loading

[A.K. Pandey; 2001; Supervised by D. K. Paul, D. N. Trikha and Ram Kumar]