

## PH. D./ M. TECH/DD THESIS SUPERVISION

### Ph. D. Supervision

| S.N. | Name              | Title   | Year                   | Add. Supervisor         |
|------|-------------------|---|------------------------|-------------------------|
| 1    | N.P. Tongaonkar   | Earthquake Response of Seismically Isolated Bridges                                 | 2001                   | -                       |
| 2    | M.K. Shrimali     | Seismic Response of Isolated Liquid Storage Tanks                                   | 2003                   | -                       |
| 3    | V.A. Matsagar     | Earthquake Behavior and Impact Response Control of Base-Isolated Buildings          | 2005                   | -                       |
| 4    | A.V. Bhaskararao  | Dynamic Response of Adjacent Structures Connected with Passive Dampers              | 2006                   | -                       |
| 5    | S.V. Bakre        | Response of Piping Systems with Supplemental Devices                                | 2006                   | Dr. G.R. Reddy          |
| 6    | B.B. Soneji       | Seismic Response Control of Cable-Stayed Bridge                                     | 2007                   | -                       |
| 7    | J.G. Kori         | Seismic Response Control of Structures using Semi-Active Dampers                    | 2008                   | -                       |
| 8    | V.R. Panchal      | Variable Friction Pendulum System for Near-Fault Ground Motions                     | 2008                   | -                       |
| 9    | T.P. Bandivadekar | Vibration Control of Structures using Multiple Tuned Mass Dampers                   | 2009                   | -                       |
| 10   | P.C. Jain         | Vibration Suppression of Plated Structures  | 2009                   | Prof. Abhijit Mukherjee |
| 11   | P. Saha           | Seismic Control of Benchmark Cable Stayed Bridge                                    | 2010                   | -                       |
| 12   | C.C. Patel        | Vibration Control of Adjacent Structures Connected with Dampers                     | 2010                   | -                       |
| 13   | S.N. Madhekar     | Seismic Control of Benchmark Highway Bridge   | 2010                   | -                       |
| 14   | Ajay Sharma       | Control Strategies of Base-Isolated Benchmark Building                              | 2010                   | -                       |
| 15   | V.B. Patil        | Vibration Control of the Wind Excited Benchmark Building                            | 2011                   | -                       |
| 16   | Praveen Kumar     | Seismic Response of Piping System with Passive and Semi-active Supplemental Devices | 2012                   | Dr. G.R. Reddy          |
| 17   | Snehal V. Mevada  | Seismic Response Control of Asymmetric Buildings                                    | 2012                   | -                       |
| 18   | Jagabandhu Dixit  | Spatial Distribution of Free-Field Motion and Liquefaction Potential at Mumbai City | 2013                   | Prof. D.M. Dewaikar     |
| 19   | Tarapada Pyne     | Design and Development of Knowledge Management System to Improve                    | 2013 (By BITS, Mesram) | Prof. Utpal Baul        |

|    |                               |   |             |                        |
|----|-------------------------------|---|-------------|------------------------|
|    |                               | Equipment Reliability   |             |                        |
| 20 | Alka Yogesh Pisal             | Vibration Control of Structures using Tuned Mass Friction Damper  | 2014        | -                      |
| 21 | Bhiva R. Raut                 | Vibration control of 20 Story Benchmark Building  | 2015        | -                      |
| 22 | Nitin P. Kataria              | Seismic Control of Curved Box Girder Bridges  | 2015        | -                      |
| 23 | Hanamant R. Magarpatil        | Seismic Response of Steel Moment Resisting frame with Passive Energy Dissipating Devices                                | 2016        | -                      |
| 24 | Sharad Laxmanrao Ghodke       | Seismic Control of Base-Isolated Benchmark Building using Shape Memory Alloy  | 2016        | -                      |
| 25 | A.D. Roshan                   | Tsunami Hazard Assessment of Indian Coasts  | 2016        | Dr. P.C. Basu          |
| 26 | Thombare Vishal Ramesh        | Analysis, Evaluation, Design and Construction of Thin White Topping for Rehabilitation of Flexible Pavements            | 2017        | Prof. K.V. Krishna Rao |
| 27 | Gisha Mary Mathew             | Seismic Protection of Structures using Negative Stiffness Devices   | 2017        | -                      |
| 28 | Narsingh Varma                | Study on the Behaviour of Fiber Reinforced Polymer and its Application in Beam-Column Joint Strengthening               | 2018        | -                      |
| 29 | Sameer J. Suthar              | Passive Dampers for Across-wind Response Control of Benchmark Tall Building   | 2022        | -                      |
| 30 | Ashish Ramdas pant Akhare     | Seismic Response Control of Base Isolated Structures Using Shape Memory Alloy and Fluid Inerter Damper                  | 2023        | -                      |
| 31 | Naqeeb Ul Islam               | Optimum Parameters and Performance of Negative Stiffness and Inerter Based Dampers for Vibration Control of Structures  | 2023        | -                      |
| 32 | Shiv Prakash                  | Seismic Isolation using Unbonded Fiber-Reinforced Elastomeric Isolators   | 2023        | -                      |
| 33 | S.S. Hubballi                 | Behaviour of Base-Isolated Structures During Pounding with Adjacent Structures  | 2023        | -                      |
| 34 | Avinash Kumar                 | Experimental and Analytical Study of CFRP-Strengthened Deep RC Beams  | 2025        | -                      |
| 35 | Salunkhe Vijay Anandrao       | Performance Assessment of Seismically Isolated Indian Nuclear Power Plant Structures Against Beyond Design Basis Events | 2025        | -                      |
| 36 | Vishalkumar Bhaskarbhai Patel | Seismic Control by Structures using Inerter Based Control Devices   | In progress | -                      |
| 37 | Ketan Narayan Bajad           | Seismic Response Control of Liquid Storage Tanks  | In progress | -                      |

## M. Tech. Supervision

| S.N. | Name              | Title   | Year | Add. Supervisor  |
|------|-------------------|---|------|------------------|
| 1    | Y.B. Londhe       | Seismic Response of Base Isolated Structures  | 1996 | -                |
| 2    | V.A. Date         | Active Control of Structures  | 1996 | -                |
| 3    | A.S. Joshi        | Passive Control of Structures using Multiple Tuned Mass Dampers                             | 1996 | -                |
| 4    | C.A. Ranavade     | Non-Classically Damped Systems  | 1997 | -                |
| 5    | N.D. Sambarani    | Analysis of an Offshore Jacket Platforms  | 1997 | Prof. Y.M. Desai |
| 6    | S. Kausulla       | Base Isolation by Sliding System with Restoring Force: An Experimental Study                | 1997 | -                |
| 7    | K.N. Vaity        | Seismic Pounding of Structures  | 1998 | -                |
| 8    | N.A. Waghmare     | Seismic Response of above Ground Pipelines Supported on Isolation System                    | 1999 | -                |
| 9    | V.V.K. Reddy      | Earthquake-Resistant Design of Structures Using Base Isolation System                       | 1999 | -                |
| 10   | A.S. Mahadik      | Active Control of Offshore Platforms  | 1999 | -                |
| 11   | P. Bhaskar Rao    | Base Isolation for Aseismic Design of Structures  | 2000 | -                |
| 12   | V. Chaudhari      | Dynamic Response of Jetty Structure to Nearby Pile Driving                                  | 2001 | -                |
| 13   | J.A. Kulkarni     | Response of Base-Isolated Structures  | 2001 | -                |
| 14   | S.M. Singh        | Stochastic Earthquake Response of Structure   | 2001 | -                |
| 15   | A.P. Pansare      | Vibration Control of Torsionally Coupled System Using Tuned Mass Dampers                    | 2001 | -                |
| 16   | A. Kothari        | Active Control of Torsionally Coupled Single Storey Building using Active Tuned Mass Damper | 2002 | -                |
| 17   | M.C.S. Kunde      | Seismically Isolated Bridges  | 2002 | -                |
| 18   | M.B. Jadhav       | Seismic Design of Liquid Storage Tanks  | 2002 | -                |
| 19   | G.B. Raju         | Linear Theory of Base Isolation   | 2002 | -                |
| 20   | S.A. Mehta        | Seismic Response of Damper Connected Adjacent Buildings                                     | 2003 | -                |
| 21   | S.S. Dhaware      | Seismic Response of Base-Isolated Structure by Wavelet Transformation                       | 2003 | -                |
| 22   | K.C. Patil        | Passive Control of Offshore Jacket Platforms  | 2003 | -                |
| 23   | Mukesh Jangid     | Study of Base Isolated Structures   | 2004 | -                |
| 24   | S.D. Agnihotri    | Seismic Response of Isolated Bridges  | 2004 | -                |
| 25   | Chitikireddy Ravi | Base Isolation of Structures  | 2005 | -                |
| 26   | Debraj Sarkar     | Vibration Control of Bridges Subjected to Multi-Axle Vehicles using Tuned Mass Dampers      | 2006 | -                |
| 27   | V.C. Chavan       | Transfer Function Matrix of Combined  | 2007 | -                |

|    |                        |   |      |                |
|----|------------------------|---|------|----------------|
|    |                        | Primary-Secondary Syatem  |      |                |
| 28 | Lt. Col Sandeep Kapoor | Analysis of Living Platform for Marine Growth Removal   | 2007 | Prof. M.C. Deo |
| 29 | P.B. Thorat            | Analysis of Process Platform for Marine Growth Removal  | 2007 | Prof. M.C. Deo |
| 30 | S.A. Hulkai            | Static and Dynamic Analysis of High Mast  | 2008 | -              |
| 31 | N.B. Patil             | Analysis and Design of Composite Ship Structure   | 2008 | -              |
| 32 | T. Kishore Kumar       | Performance of FRP System under High Temperature  | 2009 | -              |
| 33 | Amit Meena             | Vibration Control using Tuned Mass Damper   | 2010 | -              |
| 34 | Narsingh Varma         | Residual Strength of FRP Strengthened Concrete Columns Subjected To Elevated Temperatures                                   | 2010 | -              |
| 35 | Kiran Keshav Bhavsar   | Structural Response Control using Passive Dampers   | 2010 | -              |
| 36 | Saragh Bhandary        | Transfer Function of Coupled Primary Secondary Systems  | 2010 | -              |
| 37 | Annepu Praveen         | Seismic Strengthening of Deficient Structures   | 2011 | -              |
| 38 | Karthick S.            | Vibration Control of Structures using Tuned Mass Friction Dampers   | 2012 | -              |
| 39 | Anshul Jain            | In-Situ Stress and Load Evaluation of Short RCC Columns by Slitting Technique   | 2013 | -              |
| 40 | Asim Qureshi           | Seismic Response Control of 20-Story Benchmark Building using True Negative Stiffness and Pseudo-negative Stiffness Dampers | 2015 | -              |
| 41 | Akash Rathi            | Optimal Distription of Multiple Tuned Mass Dampers  | 2016 | -              |
| 42 | Adheep Raj. P          | Seismic Response of Shape Memory Alloy Base Isolated Structures   | 2016 | -              |
| 43 | Vishnu Priya Choudhary | Multiple Tuned Mass Dampers   | 2017 | -              |
| 44 | Shuvadeep Panchanan    | Seismic Response of Asymmetric Benchmark Structure with Soil Structure Interaction using Semi Active damper                 | 2018 | Prof. S. Basu  |
| 45 | Shivangi Tiwari        | Multiple Objective Optimization Design of Tuned Mass Dampers  | 2018 | -              |
| 46 | Deepesh Kumari         | Seismic Performance Evaluation of Prototype Un-Bonded Fibre Reinforced Elastomeric Isolators                                | 2018 | -              |
| 47 | Uday Singh             | Vibration Control of Structure Using Tuned Mass Damper  | 2019 | -              |
| 48 | Vaibhav Pujari         | Optimal Tuned Inerter Based Dampers for Seismic Control of Structures   | 2021 | -              |
| 49 | Ashish Swami           | Vibration Control of Structures using Bio-Inspired Device   | 2022 | -              |

|    |                      |  |      |   |
|----|----------------------|--|------|---|
| 50 | Samagra Vijaywargiya | Seismic Performance of Structures with Clutching Inerter Damper  | 2024 | - |
| 51 | Kapil Upadhyay       | Performance of Base and Inter-storey Isolated Building with Clutched Inerter Damper: A Comparative Study with Base Isolated and Fixed Base Structure | 2025 | - |

### **M. Tech. (Dual Degree) Supervision**

| <b>S.N.</b> | <b>Name</b>        | <b>Title</b>   | <b>Year</b> |
|-------------|--------------------|--|-------------|
| 1           | Siddeshwara Bhatt  | Vibration Control of Torsionally Coupled System using Active Tuned Mass Dampers                  | 2003        |
| 2           | Sunit Mayank       | Vibration control using Multiple Tuned Mass Dampers  | 2004        |
| 3           | Rahul Kumar Jain   | Semi-active Control for Structures with Variable Friction Dampers                                | 2005        |
| 4           | Akash Shrivastava  | Vibration Control of Structures Using Tuned Mass Dampers   | 2006        |
| 5           | A. Bhatanagar      | Seismic Performance of Chevron Braced Steel Frames   | 2007        |
| 6           | M.S. Sreekanth     | Vibration Control of Structures using Friction Dampers   | 2007        |
| 7           | Rishu Rajan        | Vibration Control of Bridges under Spatially Varying Earthquake Motion                           | 2007        |
| 8           | A.A. Godbole       | Vibration Control of Tall Building   | 2008        |
| 9           | Himanshu Sharma    | Piping Systems with Supplemental Devices   | 2009        |
| 10          | Kaustubh Gowardhan | Seismic Analysis of Piping System with Supplemental Devices                                      | 2009        |
| 11          | Pallav Singh       | Design of Structures for Blast Loading   | 2010        |
| 12          | Deepak Sevta       | Design of RCC Structures for Blast Loading   | 2010        |
| 13          | Utsav Shrivastava  | Review of Proposed Draft of IS: 875(Part3): Wind Loads on Buildings and Structures               | 2011        |
| 14          | Aakil Mehta        | Vibration Control using Tuned Mass Dampers   | 2012        |
| 15          | Abhishek Gupta     | Seismic Response of Structures Connected with Liquid Column Dampers                              | 2012        |
| 16          | Jatinderjit Singh  | Semi-Active Tuned Mass Dampers   | 2012        |
| 17          | Naveen Jangir      | Seismic Analysis of Adjacent Buildings Connected via Dampers                                     | 2014        |
| 18          | Rishab Jain        | Seismic Analysis of Isolated Bridges   | 2014        |
| 19          | Ashlesh Sonje      | Damage Detection in Beams Using Vibration Characteristics  | 2014        |
| 20          | Parth Muchhala     | Analysis of Semi-Active Friction Dampers in Connected Structures                                 | 2014        |
| 21          | Shubham Barkale    | Performance of Clutched Inerter Damper for Base-Isolated Structures under Near-Fault Earthquakes | 2021        |