

DEPARTMENT OF CIVIL ENGINEERING

Servo Electric Shake Table' procured under AICTE, New Delhi funded Research Promotion Scheme (RPS) 'Seismic Qualification of Sugar Factories in Western Maharashtra (Major Area)'

Principal Investigator: Prof. V. J. Yadav

Sanction Amount: Rs. 18,90,000

Year of Sanction: 2013-2014

List of Major Projects on Servo Shake Table Off Campus Projects (2016-2020)

| Sr. No | Year | Title | Institute |
|--------|---------|---|--|
| 1 | 2019-20 | Friction Pendulum System as advanced Earthquake Resisting Technique | NMCE, Peth |
| 2 | 2018-19 | Seismic Analysis of Braced and Unbraced Steel Framed Structure using Shake Table and Etabs Software | M.Tech, ADCET, Ashta |
| 3 | | Seismic Performance of Various types of Mass Irregularities in the Building | Daulatrao Ahir College, Karad |
| 4 | | Base Isolation of Structures | AMGOI Wathar |
| 5 | | 2017-18 | Analysis and Design of Tined Liquid Mass Dampers |
| 6 | | Seismic Study of Various types of Bracing System | AMGOI Wathar |
| 7 | 2016-17 | Study of water tank as TLD on RCC building | RIT Sakharale |
| 8 | | Seismic Study Effective Bracing System as Earthquake Resistant Structures | A.M.G.O.I. Wathar |

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On Campus Projects (2016-2020)

| Sr. No | Year | Title | Guide |
|--------|---------|---|----------------------|
| 1 | 2020-21 | Study of mass irregularity, Geometric Asymmetry and Center of Gravity of structure for seismic performance of building. | Prof. V. J. Yadav |
| 2 | | Seismic behavior of water tank resting on building by using shake table | Prof. P. B. Kolekar |
| 3 | | A study on seismic behavior of different bracing system on RC Structure | Prof. A. R. Chougule |
| 4 | | Effect of Various Plan Irregularities on Seismic Performance of Buildings | Prof. V. J. Yadav |
| 5 | 2019-20 | Analysis of RCC Structure with Various types of Bracing | Prof. V. J. Yadav |
| 6 | | Analysis of RCC Structure with Tuned Liquid Mass Damper | Prof. V. J. Yadav |
| 7 | 2018-19 | Seismic Behavior of Buildings with Mass Irregularity | Prof. V. J. Yadav |
| 8 | | Seismic Behavior of Buildings on Sloping Ground | Prof. V. J. Yadav |
| 9 | 2017-18 | Seismic qualification of unsymmetrical RCC Structures by using shake table test and analysis | Prof. V. J. Yadav |
| 10 | | Seismic qualification of bracing system by shake table test and analysis | Prof. V. J. Yadav |
| 11 | | Seismic analysis of setback in RC framed structure by using STAAD Pro and earthquake shake table | Prof. A. R. Chougule |
| 12 | | Structural Behavior of Eccentrically loaded Structure Using Shake Table and Etabs | Prof. A. S. Kharade |
| 13 | 2016-17 | Seismic behavior of shear wall in RCC structure by analysis and testing with shake table | Prof. V. J. Yadav |
| 14 | | Seismic behavior of water tank in RCC structure by analysis and testing with shake table | Prof. I. A. Mursal |
| 15 | | Seismic effect of floating column in RC structure by analysis and shake table test | Prof. V. J. Yadav |