 **CURRICULUM VITAE** 

**Full Name: DR. ATULKUMAR ANIL MANCHALWAR**

**Permanent Address:** S/o Anil R. Manchalwar

Plot No 114, Kirti Nagar, Narsala Road,

Dighori, Nagpur, Dist. - Nagpur, Pin- 440034. (Maharashtra)

**Email:** [*atulmanchalwar@gmail.com*](mailto:atulmanchalwar@gmail.com)

**Mobile:** 9326940617 / 7972518279

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| **Scopus Profile:** <https://www.scopus.com/authid/detail.uri?authorId=57195775343> |
| **Google Scholar Profile:** <https://scholar.google.com/citations?user=7B5w83kAAAAJ&hl=en> |

**CAREER OBJECTIVE:**

To be recognized as an expert by exploring new dimensions in the quest of professional excellence. Seeking a middle level position in the organization and would like to work as a leader in long term.

**EDUCATIONAL QUALIFICATION:**

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| **Institute** | **Examination** | **Board/ University** | **Year of**  **passing** | **Marks %** |
| Visvesvaraya National  Institute of  Technology, Nagpur | Ph. D.  (Structure) | Visvesvaraya  National Institute of  Technology, Nagpur | 2019 | - |
| Kavikulguru Institute  of Technology and  Science, Ramtek | M –Tech  (Structure) | Rashtrasant Tukadoji  Maharaj, Nagpur  University | 2012 | 79% (UT 5th  Rank) |
| Babasaheb Naik  College of  Engineering, Pusad. | Degree  (B.E. Civil) | Sant Gadgebaba  Amravati, University | 2010 | 70.38% |
| S.K.P. College, Kamptee | HSSC Examination | Maharashtra State  Board | 2005 | 65.33% |
| Nutan Saraswati  School, Kamptee | SSC Examination | Maharashtra State  Board | 2003 | 71.73% |

**COMPUTER SKILLS:**

**1) SQL**

2) Python

3) SSAS, SSIS

4) Power BI, Advanced Excel (Microsoft)

5) SAP2000, Etabs

**Research Area:**

* Seismic hazard assessment
* Earthquake Response Control of Buildings
* Seismic vulnerability assessment of RC buildings

**Achievements:**

2nd Semester – 5th University rank

3rd Semester – 1st University rank

**Dr. Jai Krishna Prize –** by The Institution of Engineers (India)

 **Project under taken during the course of studies**

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| **a)** | **Ph.D.**  **Title of Project** | **:** Seismic Response Control of Buildings Using Supplementary Devices |
|  | **Guide**  **Tools used** | **:** Dr. S. V. Bakre  **:** Structural Analysis Packages - SAP2000, **MATLAB** |
| **b)** | **M. Tech Project**  **Title of Project** | **:** Nonlinear Analysis of Building Frame |
|  | **Guide**  **Tools used** | **:** Prof. S. K. Mahajan  **:** Structural Analysis Packages - SAP2000 |
| **c)** | **B. E. Project**  **Title of Project** | **:** Performance Evaluation of Water Treatment Plant |
|  | **Guide** | **:** Prof. Jhambani |

**Industrial Training: - 1.** Training which covering all construction aspects of building.

**2**. The Ambuja Concrete Mix Design Workshop.

**Publication data**

|  |  |  |  |
| --- | --- | --- | --- |
| **SCI:** | 03 |  |  |
| **Scopus:** | 13 |  |  |
| **Conference:** | 05 |  |  |

**Journal Papers**

1. **A. Manchalwar** and S. V. Bakre, “Performance of RC Structures Equipped with Steel and Aluminium X-Plate Dampers”, Journal of Institute of Engineers India Series A, Vol. 97(4), pp. 415-425, December – 2016. **(Scopus)**
2. **A. Manchalwar** and S. V. Bakre, “Optimization of Metallic Damper Location for Seismic Response Control”, *Journal of Vibration Engineering and Technologies,* Vol. 7, pp. 261 – 275, 2019. **(SCI)**
3. **A. Manchalwar** and S. V. Bakre, “Seismic Response Control of building with Optimal Location of Metallic Damper”, *Structures and Buildings*, Vol. 172 (11), pp. 836 – 856. 2019. <https://doi.org/10.1680/jstbu.17.00108> **(SCI)**
4. **A. Manchalwar** and S. V. Bakre, “Incremental Dynamic Analysis of Building with Weak Storey at Top as TMD”, *ISET Journal of Earthquake Technology*, Paper No. 547, Vol. 56, No. 4, pp. 123-134, 2019.
5. **A. Manchalwar** and S. V. Bakre, “Seismic Performance of Structure with Isolated Foundation using U shape Steel Damper as a Isolator”, *Soil Mechanics & Foundation Eng*, Vol. 57,pp.170–177, 2020. <https://doi.org/10.1007/s11204-020-09653-4> **(SCI)**
6. **A. Manchalwar** and S. V. Bakre, “Vibration control of structure by top base isolated storey as tuned mass damper”, *International Journal of Dynamics and Control*, **8,**963–972 (2020). **(Scopus)**
7. G Nirmala **and A. Manchalwar**, “Behaviour of the water tank staging with aluminum and steel X-plate damper”, *E3S Web of Conferences*, Vol. 184, 2020. DOI: <https://doi.org/10.1051/e3sconf/202018401078>. **(Scopus)**
8. N. Omprakash Reddy **and A. Manchalwar**, “Performance of 2-D Frame Equipped with Base isolation System under Dynamic Loadings”, *E3S Web of Conferences*, Vol. 184, 2020. DOI: <https://doi.org/10.1051/e3sconf/202018401099> **(Scopus)**
9. G. Jyothi Sravya **and A. Manchalwar**, “Comparison of Seismic isolation with isolator and Soil structure Interaction U-shaped metallic isolator and Soil structure Interaction”, *E3S Web of Conferences*, Vol. 184, 2020. DOI: <https://doi.org/10.1051/e3sconf/202018401097> **(Scopus)**
10. B. Boda **and A. Manchalwar**, “Blast Response of Elevated Water Tank Staging with Metallic Damper”, *E3S Web of Conferences*, Vol. 309, 2021. <https://doi.org/10.1051/e3sconf/202130901135> **(Scopus)**
11. B. Boda **and A. Manchalwar**, “Performance of Elevated Water Tank Staging with Base Isolation under Blast Loading”, *E3S Web of Conferences*, Vol. 309, 2021. <https://doi.org/10.1051/e3sconf/202130901134> **(Scopus)**
12. V. Siripuram **and A. Manchalwar**, “Response Control of Structures under Seismic and Blast Induced Ground Motions”, *E3S Web of Conferences*, Vol. 309, 2021. <https://doi.org/10.1051/e3sconf/202130901137> **(Scopus)**
13. V. Siripuram **and A. Manchalwar**, “Isolating System using U Shaped Steel Damper”, *E3S Web of Conferences*, Vol. 309, 2021. <https://doi.org/10.1051/e3sconf/202130901136> **(Scopus)**
14. V. Yadav Mallela **and A. Manchalwar**, “Nonlinear Seismic Performance of a Regular Building using Base Isolation Method”, *E3S Web of Conferences*, Vol. 309, 2021. <https://doi.org/10.1051/e3sconf/202130901171> **(Scopus)**
15. V. Yadav Mallela **and A. Manchalwar**, “Nonlinear Seismic Performance of a Building using Base Isolation Method”, *E3S Web of Conferences*, Vol. 309, 2021. <https://doi.org/10.1051/e3sconf/202130901170> **(Scopus)**
16. Kurelly S., Y. Kamala Raju, G V V Satyanarayana **and A. Manchalwar**, “Damage capacity on RC structures using performance-based analysis”, *E3S Web of Conferences*, Vol. 309, 2021. <https://doi.org/10.1051/e3sconf/202130901203> **(Scopus)**
17. Kurelly S., Y. Kamala Raju, G V V Satyanarayana **and A. Manchalwar**, “Effect of joint rigidity on structural behavior of RC buildings”, *E3S Web of Conferences*, Vol. 309, 2021. <https://doi.org/10.1051/e3sconf/202130901204> **(Scopus)**

**Conference Papers**

* 1. **A. Manchalwar** and S. V. Bakre (2014), “Performance of RC Structures Equipped with Steel and Aluminium X-Plate Dampers”, Academic reference series, *Advances in Structural Engineering Modeling, Simulation and Analysis* Vol. 4, Bloomsbury India Publisher, India. (ISBN: 978-9-38-489872-4).

1. S. Arora, **A. Manchalwar** and S. V. Bakre (2017), “Seismic Response of a RCC building with Lead Extrusion Dampers”, *Indian Conference on Applied Mechanics (INCAM) 2017,* MNNIT Allahabad, 5– 7 July 2017.
2. G. Gurbani, A. Manchalwar and S. V. Bakre (2017), “Fluid Viscous Damper for Structural Response Control”, Indian Conference on Applied Mechanics (INCAM) 2017, MNNIT Allahabad, 5– 7 July 2017.
3. S. Manchalwar and **A. Manchalwar** (2017), “Seismic Response control of RC water tower frame staging”, *Indian Conference on Applied Mechanics (INCAM) 2017,* MNNIT Allahabad, 5– 7 July 2017.
4. G. Gurbani, S. Bakre and **A. Manchalwar** (2018), “Seismic Performance of Structure Equipped with Fluid Viscous Dampers and Location Optimization”, 16th European Conference on Earthquake Engineering (16ECEE), to be organized in Thessaloniki, Greece in June 18-21, 2018.

**EXPERIENCE**

|  |  |  |
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| **Sr. No.** | **Institute** | **Duration** |
| 1 | Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad. | 24th June 2019 to 31st Jan 2022 |
| 2 | G H Raisoni College of Engineering, Nagpur | 21st Oct. 2018 to 30 April 2019 |
| 3 | Kavikulguru Institute of Technology and Science, Ramtek. | 01 Jan. 2011 to 30 June 2013 |

**ACADEMIC CONTRIBUTIONS**

**(At GHRCE, Nagpur)**

No. of Years of service - 00 Years 6 months (Full Time)

**Teaching**

**a) Subject Taught**

**i) Post Graduate**

 Bridge Engineering

 Design of Bridges and Retaining Walls

**ii) Under Graduate**

 Steel Structures

**b) Projects Guided to the PG**

 Seismic Response Control of Adjacent Buildings Using Passive Device

 Vibration Control of Structure Using Hybrid Isolation System

**Administration**

 Member of Stock Verification Committee

**(At KITS, Ramtek)**

No. of Years of service - 02 Years 5 months (Full Time)

**Teaching**

**c) Subject Taught**

**iii) Under Graduate**

 Engineering Mechanics, B.E. I Yr.

 Basic of Civil Engineering, B.E. I Sem

 Computer Application in Civil Engg., B.E. VI Sem. (Civil)

 Advanced RCC, B.E. VII Sem. (Civil)

**d) Projects Guided to the UG (B.E. Civil) Students**

 Seismic Analysis of building frame – A Parametric study

**Administration**

 Class Coordinator B.E. Final Year (Civil)

 Time Table Coordinator

 Member of Stock Verification Committee

 Seminar Hall In charge

**Examinations**

 **Practical Examination Coordinator:**

i) University Practical Examination winter-2012

**Extra-Curricular Activities**

1. Executive member of Inauguration and main program arrangement of Alumni meets Committee.
2. Expert Lecture Delivered on “RCC Design and Detailing”, at Kamptee Polytechnic, Kamptee.

**Seminars / Conferences / Workshops / Training Programme ORGANISED:**

1. Training Programme on „Structural Design Using STAAD Pro. And ETABS‟ as Incharge at KITS, Ramtek during June. 20-26, 2011.
2. Training Programme on „Analysis and Design of Building on STAAD Pro.‟ as a Training Faculty at KITS, Ramtek during July. 04-10, 2012.

**Seminars / Conferences / Workshops / Training Programme ATTENDED:**

1. National Technical paper contest organized by Babasaheb Naik College of Engineering on 2nd & 3rd Feb. 2008.
2. A National Level Technical paper presentation competition organized by Dr. J J Magdum college of engineering, Jaysingpur on 27th Jan. 2009.
3. Training Program for STAAD Pro organized by Government Polytechnic Nagpur during 4th May to 6th June 2009.
4. The Ambuja Concrete Mix Design Workshop held on 17th & 18th June 2009.
5. One Day workshop on Effective Public Speaking organized by IE(I) Civil Engineering Student Chapter on 12th Sept. 2009.
6. National Technical paper contest organized by Babasaheb Naik College of Engineering on 23rd & 24th Sep. 2009.
7. National Level Seminar on Water Energy Environment and Society on 30 Jan. 2010.
8. National workshop on Fibre Reinforced Concrete organized by Indian concrete institute and YCCE Nagpur.
9. Two days‟ short-term training course on Earthquake Resistant Design of Sensitive Structures organized by VNIT Nagpur, 22-23 March 2013.
10. One-week training programme on Seismic Analysis and Design of RC Buildings organized by VNIT Nagpur from 5th to 9th March 2014.
11. National Conference on Active Trends in Engineering and Technology organized by VMIT on 28th Feb. and 1st March 2014.
12. One-day short term training program on Advanced Engineering Optimization Through Intelligent Techniques organized by SVNIT Surat during 24-28 March 2014.
13. One-day short term training program on Practical Aspects of Structural Design held at VNIT Nagpur on 29th March 2014.
14. Poster Presentation held on Research scholar day at VNIT Nagpur 20th Sept. 2014.
15. Indo-Norwegain Training Programme on Seismic Design of Multi Storey Buildings; Is 1893 vs. Eurocode8 during 7th – 9th Dec. 2014 at VNIT Nagpur.
16. Indo-Norwegain Training Programme on Nonlinear modelling and seismic response evaluation of structures during 14th – 16th Dec. 2014 at IIT Roorkee.
17. International workshop on Emerging Trend in Earthquake Engineering and Structural Dynamics held from 20th – 21st Dec. 2014 at IIT Delhi.
18. Six days Training Programme on Understanding Earthquake behavior of Buildings during 21st – 26th May 2016 conducted at VNIT Nagpur.

**PERSONAL PROFILE:**

**Name :** ATULKUMAR ANIL MANCHALWAR

**Father’s Name :** MR. ANIL R. MANCHALWAR

**Date of Birth :** 12 OCT, 1988

**Gender :** Male

**Nationality :** Indian

**Languages known :** English, Hindi, Marathi.

**Hobbies :** Net Surfing, Playing Cricket, Listening Music, Swimming, etc.

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I hereby declare that all the information furnished by me is true and correct to the best of my knowledge and belief.

**Date: Sign: --------------**

**(Dr** **ATULKUMAR A. MANCHALWAR**)