

Personal Information

- **Name:** Mohit Dhanda
- **Address:** DC Camp Colony, Sonipat, Haryana, India, 132108
- **Gender:** Male
- **Nationality:** Indian
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Education

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| ○ Indian Institute of Technology – Mandi | Mandi, India |
| Master of Science by Research, CGPA: 8.40/10 | 2018-2021 |
| ○ Maharaja Agrasen Institute of Technology | Delhi, India |
| Bachelor of Technology, Mechanical Engineering | 2009-2013 |
| First Division (Honours), Percentage: 70.03/100 | |
| ○ Government Co. Ed. Senior Secondary School | Delhi, India |
| CBSE(XII), First Division, Percentage: 74/100 | 2007-2009 |
| ○ S.M. Modern High School | Panipat, India |
| HBSE(X), First Division, Percentage: 88/100 | 2005-2007 |

Experience

- **Project Associate at Indian Institute of Science, Bangalore, India** (June 2022 onwards)
- **Research Assistant at Indian Institute of Technology, Delhi, India** (January 2022-May 2022)
- **Teaching Assistant at Indian Institute of Technology, Mandi, India** (August 2018-October 2021)
- **Quality Control Engineer** at Sareen and Associates Machine Manufacturing Tools, Faridabad, India (November 2013 – March 2017)

Technical Skills

- **Programming Language:** MATLAB, Machine Learning
- **Software/Tools:** Abaqus, COMSOL, Lab View, Mathematica, MS Office.

Scholastic Achievements

- Qualified Graduate Aptitude Test in Engineering (GATE) in 2018 conducted by IIT for postgraduate admission in engineering with 96.70 percentile.
- Availed MHRD half time research assistant (HTRA) fellowship during Master of Science by Research (2018-2021).

Projects

- **Active acoustic metamaterials - IISc Bangalore** (June 2022 onwards)
- **Structure health monitoring using time reversal of Lamb wave-IIT Delhi** (January 2022- May 2022)
- **Analytical and numerical nonlinear vibration analysis and sensitivity measurement of low-cost MEMS sensors -M.S. Thesis, IIT Mandi (2018-2021)**
- Wear analysis of piston rings of spring steel materials using Taguchi method - **Bachelor of Technology (2012-13).**

Publications

- **Dhanda, M., Pant, P., Dogra, S., Gupta, A., Dutt, V.** “Sensitivity analysis of contact type vibration measuring sensors”. (2021). *Sound and Vibration*. **(Accepted for publication).**
- **Dhanda, M., Gupta, A.** “Investigation of jump resonance of a horizontal axis washing machine for nonlinear vibration using the harmonic balance method.” *International Conference on Multidisciplinary Aspects of Materials in Engineering* (2021): *IOP Material Science and Engineering* **(Accepted for publication).**
- **Dhanda, M., Gupta, A., Yadav, S.** “Numerical study of a horizontal axis washing machine for linear and nonlinear vibration.” *2nd International Congress on Advances in Mechanical and Systems Engineering* (2021): *Lecture Notes in Mechanical Engineering, Springer*. **(Accepted for publication)**

Workshop Training

- Nonlinear oscillation in Mechanical system, Nov 11-13, 2019, Department of Mechanical Engineering, Indian Institute of Technology- Gandhinagar.
- Nonlinear Dynamics and Chaos in Science and Engineering, Dec 12- 14, 2018, Department of Mechanical Engineering, Indian Institute of Technology- Jodhpur.

Relevant Coursework

- Acoustics
- Mechanical vibrations
- Finite element methods
- Numerical methods
- Structure health monitoring
- Mechanics of composite materials
- Structure dynamics
- Wave propagation in metamaterials

Personal Skills and Competences

- **Event Coordinator:** Headed a team of 10 volunteers for the corroborated completion of the assigned event cricket during the annual fest SPOZONE at Maharaja Agrasen Institute of Technology Delhi, India. (March 2010)
- **Event Co-Convenor:** Headed a team of 5 coordinators and 10 volunteers for the assigned sports departments during the annual fest SPOZONE at Maharaja Agrasen Institute of Technology Delhi, India. (March 2011)

Declaration

I hereby declare that all the information given above is true and correct to the best of my knowledge.



Mohit Dhanda