Dr. PRITHVI C

Assistant Professor

CONTACT

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Professional Experiences:

Teaching: 15 years

Industry: 1 year

Research: 06 years

CoursesTaught:

1. Computer Aided Engineering Drawing
2. Design of Machine Elements 1
3. Finite Element Methods
4. Engineering Mechanics
5. Strength of Materials
6. Theory of Machines
7. Mechanical Vibration
8. Tribology and Bearing Design
9. Fracture Mechanics
10. Design for Manufacturing and Assembly
11. Theory of Elasticity
12. Fatigue Analysis

ABOUT ME

Greetings! I'm Dr. Prithvi C., an accomplished academic and researcher in thefield of Mechanical Engineering. With a passion for unraveling the complexities ofmechanical systems, I specialize in Vehicle Dynamics, Vibration Analysis, and FiniteElement Analysis of mechanical components. I embarked on my teaching journey in 2009and have since been dedicated to imparting knowledge and fostering innovation in theminds of young engineering enthusiasts. I proudly served at PESIT (PESU), Bengaluru forover 5 years before joining The National Institute of Engineering, Mysuru in 2014 as anAssistant Professor specializing in Postgraduate studies in Machine Design. I & II I'm always excited to connect with fellow enthusiasts, students, researchers, and professionals whoshare my passion for mechanical engineering. Feel free to reach out if you would like to discuss collaborations, research, or the exciting world of mechanical systems.

RESEARCH INTERESTS:

- Vibrational Analysis
- Composite materials
- Finite Element Analysis of mechanical systems
- Simulation and Condition Monitoring
- Additive Manufacturing
- Light wight and Novel materials.

EDUCATION

- Ph.D– Specialization : Mechanical Engineering (Vibration and FEA)
  Research Centre/University Name: JSS Science and Technology University,Mysuru.
  Year of Graduation :2022
- M.E/M.Tech. – Specialization: Machine Design
  Institute/University Name: UVCE, Bangalore University.
  Year of Graduation :2008
- B.E., - Specialization: Mechanical Engineering
  Institute/University Name: Visvesvaraya Technological University, Belagavi.
  Year of Graduation :2006

PUBLICATIONS

1. C Prithvi, Surajgouda C Policepatil, Srinidhi Ramachandracharya (2022) “DynamicAnalysis ofElectric Train Bogie Using MATLAB Simulink”, Recent Advances inHybrid and Electric Automotive Technologies: Select Proceedings of HEAT 2021,Springer Nature Singapore.

2. C Prithvi, R Srinidhi, A Karthik Hebbar (2021) “Vibration Analysis of Railway WagonSuspension System for Improved Ride Quality using MATLAB Simulink” OperationsManagement and Systems Engineering: Select Proceedings of CPIE 2019. SpringerNature Singapore.

3. HS Karthik, C Prithvi (2020) “Design and Analysis of Folding Mechanism for aHorizontal Stabilizer in a Helicopter”. International Journal Of Engineering Research; Technology (IJERT), vol9,issue5.

4. BS Suresh, C Prithvi, Srinidhi Ramachandracharya (2020): “Modal analysis of FIATBogie of LHB railway coach”, Materials Today: Proceedings,

Online: https://doi.org/10.1016/j.matpr.2020.03.817.

5. BS Suresh, C Prithvi, Srinidhi Ramachandracharya (2020): “Static Analysis of LHBRailway Coach with FIAT Bogies”, International Journal of Research in Engineering,Science and Management. Vol 3, Issue 3(348-351).

6. YC Niranjan, C Prithvi, BK Sridhara (2019): “Influence of S0 Type of AddendumModification on Sliding Performance of Spur Gears”, IOP Conference Series:Materials Science and Engineering. Vol 624 , Issue 1(012026).

7. Karthik Hebbar A, C Prithvi, Srinidhi Ramachandracharya (2019): “Analyticalmodeling of railway suspension system using MATLAB simulink”, InternationalJournal of Recent Technology and Engineering. Vol 8 , Issue 1S2(164-168).

8. Y Shriraj Rao, M S Bobji, Prithvi C, Sanjeev Kumar (2017): “Design And Developmentof Finger Friction Tribometer”, International Journal of Engineering Research inMechanical and Civil Engineering. Vol 2, Issue 5(922-929).

CONFERENCES ATTENDED:

1. Prithvi C, Sandeep SK and Srinidhi R (2022): “Experimental Investigation on FIATBogie For Vibration Reduction Using Different Dampers”, International Conferenceon Sustainable Materials, Manufacturing & Industrial Engineering (ICSMMIE 2022).
2. Pavan Kumar,Prithvi C and Srinidhi R (2022): “Modal analysis of FIAT bogie scale of1:10 ratio” International Conference on Future Trends in Materials and MechanicalEngineering (ICFTMME-2022).
3. Rachet Raj, Devansh Singh, C. Prithvi (2022): “Analysis Of Anti-Lock Braking System of An Automobile Using Matlab Simulink”, Recent Innovations in Science &Technology (RIST 2022).
4. Prithvi.C, SurajgoudaPolicepatil and Srinidhi R (2021): “Dynamic Analysis ofElectric Train Bogie using MATLAB Simulink”, The First Biennial InternationalConference Hybrid and Electric Automotive Technologies (HEAT21).
5. Suresh B.S, Prithvi.C, Rithesh H B, Tejas K M (2020): “Modal Analysis of IndianRailway Linke Hofmann Busch (LHB) Coach with FIAT Bogies”, InternationalConference on International Conference on Advanced Light-weight Materials andStructures, CMR Technical Campus, Hyderabad during 6th & 7th March, 2020.
6. C Prithvi, Karthik Hebbar A, Srinidhi R (2019): “Vibration Analysis of RailwayWagon Suspension System for Improved Ride Quality Using Matlab Simulink”,International Conference on Production And Industrial Engineering (Cpie-2019), DrB R Ambedkar National Institute Of Technology, Jalandhar during 08-10 June, 2019.
7. Sunith Babu L Rajesh Mathivanan N, Prithvi C, Ranjith K (2017): “DamageResistance Characteristics of woven E-glass/Epoxy Composite Laminates Subjectedto Drop Weight Impact”, International Conference on Composite Materials andStructures, IIT Hyderabad during December 2017
8. Prithvi C, Sanjeev Kumar (2017): “Brake Drum Analysis Using NumericalSimulation”, International Conference on Advances in Mechanical EngineeringSciences, PESCE, Mandya 21-22 April 2017.
9. Nandish R.V, Sadananda Megeri, Prithvi C, S. Paul Vizhian, S.Ramachandra (2010): “Evaluation of Deformation Characteristics Of Non-Linear Materials InQuasi-Static Regime”, International Conference on Materials, Mechanics andManagement, College of Engineering, Trivandrum, Kerala, India, 14th -16th January2010.
10. Prithvi C, Babureddy, Harish K, Girish H, (2010) “Sandwich PU Foam Behavior forDynamic Loading using Guided Drop Mass Impact”, in National Conference“NCASHME” on 23rd and 24th April 2010, in Shirdi Sai College of Engineering,Annekal, India,