

Dr. NARESH H

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Education

	Degree	Year	Institute	Specialization
1	Ph.D.	2024	Visvesvaraya Technological University, Belgaum	Shape Memory Alloys
2	M.Tech	2014	Visvesvaraya Technological University, Belgaum	Machine Design
3	B.E	2012	Visvesvaraya Technological University, Belgaum	Mechanical Engineering

Professional Experience

	Date (from-to)	Designation	Organization
1	Since 2017	Assistant Professor	Siddaganga Institute of Technology
2	2016 - 2017	Assistant Professor	Christ University,
3	2014 - 2016	Assistant Professor	Channabasaveshwara Institute of Technology, Gubbi, Tumkur

Positions held

- Department IA Coordinator.
- Project and Technical Seminar Coordinator.
- CAED, CAMA, CAMD, workshop lab incharge.
- Student's semester result analysis.
- Timetable in charge.
- Lab exams batches and duty allotment incharge.
- Class teacher for M. Tech (Machine Design)
- NAAC coordinator.
- NBA coordinator
- Guest lecturers in charge.
- Sports Coordinator
- Students Technical Events Incharge
- FESTO lab incharge.

Affiliations of Professional organizations

- SAE Membership
- Institute of Engineers Associate Member.

Awards and Honors

- Got stipend of Rs 8000/- per month span of 2 years for gate qualified in year 2012 while pursuing M. Tech in Machine Design
- Won 2nd prize in National Conference on Evolving Trends in Mechanical Engineering (ETME-14), 10th May 2014, **Siddaganga Institute of Technology, Bangalore, Karnataka**
- Secured 2nd prize for “DESIGN AND FABRICATION OF LIFE SAVING U-SHAPED RC BUOY” in 12th National Conference on Science and Technology for Start-ups jointly organized by Karnataka Science and Technology Academy, Bengaluru and Siddaganga Institute of Technology, Tumakuru Held During 20 – 21 July 2022.

Courses Taught

Undergraduate Courses

Subjects Handled: Mechanical Vibrations, Control Engineering, Finite Elements Method, Elements of Mechanical Engineering, Theory of Plasticity, Computer Aided Machine Drawing, Computer Aided Engineering Drawing.

Labs Handled: CAMA, CAED, CAMD, Design Lab, FAD, AAD, CNC & IoT, TOM, MATLab, 3D printing Lab, IDEA Lab, workshop.

Research Areas

- Composites
- Advanced Machining
- Numerical Analysis

Publications

1. **“The Influence of Alloying Constituent Fe on Mechanical Properties of Niti Based Shape Memory Alloys”**, ELSEVIER: Materials today, Volume 4, Issue 10, 2017, Pages 11251-11259, SEP 2017
2. **“Evaluation of Mechanical Working Characteristics of Nitinol Based Shape Memory Alloys with Fe Ternary Additive”**, International Journal of Advanced Research Methodology in Engineering & Technology – 2018, ISSN 2456-6446, Volume 2, Issue 2, March 2018.
3. **“Effect of the Process Parameters on Machining of GFRP Composites for Different Conditions of Abrasive Water Suspension Jet Machining”**, Arabian Journal for Science and Engineering, SPRINGER LINK, received: 20 June 2018 / Accepted: 10 February 2019 © King Fahd University of Petroleum & Minerals 2019.
4. **“Experimental Investigation of Enhancement of Convective Heat Transfer Coefficient in Circular Tube with Pin Fin Element”**, International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 10 | Oct 2019, e-ISSN: 2395-0056, p-ISSN: 2395-0072.

5. “Performance test on single cylinder diesel engine by lichens biofuel” Elsevier, Materials Today: Proceedings, Published Date 27th Jan 2021.
6. “Corrosion Characterization of Friction Stir Weld Dissimilar Aluminium Alloy Joints” Journal of Mines, Metals and Fuels, Print ISSN: 0022-2755. Published Date Aug2022, Vol. 70 Issue 8A, p16-22. 7p.
7. “Finite Element Analysis of Hybrid Skin Sandwich Composite” Journal of Mines, Metals and Fuels, Print ISSN: 0022-2755. . Published Date Aug2022, Vol. 70 Issue 8A, p188-199. 12p.
8. “A Performance Study on Heat Transfer using Different Heat Sink by Experimentation and Optimization Method” Journal of Mines, Metals and Fuels, Print ISSN: 0022-2755, Published Date Aug2022, Vol. 70 Issue 8A, p41-48. 8p.
9. “An Overview of Nano-Catalysts in Biodiesel Production Journal of Mines, Metals and Fuels”, Print ISSN: 0022-2755. Published Date Aug2022, Vol. 70 Issue 8A.
10. “Experimental Investigation on the Crack Closure Duration of Cu-Al-Mn Shape Memory Alloy Reinforced in Al Matrix” DOI: 10.37896/YMER21.12/C4, Published date Dec 2022, Page no 1510-1524, Volume 21 Issue 12, YMER.

Patents

- Registration of Design on “COMPACT BRAKE CALIPER ASSEMBLY”, 1.Mr. Manjunath U Naik 2. **Mr. Naresh H** 3.Mr. Kiran K 4.Dr. Sasidhar Jangam. Design No.392485-001, Date: 10/08/2023
https://drive.google.com/file/d/1hDetXq30isbkDzM_pE6czc3IyNaEeKq/view?usp=sharing.