



Dr. SURESH KUMAR.S

Assistant Professor

CONTACT



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Professional Experiences:

Teaching: 16 Years

Industry: 1Year

Research: 3 Years

Courses Taught:

- Mechanics of Materials
- Kinematics of Machines
- Dynamics of Machines
- Finite Element analysis
- Design of machine elements I & II,
- Mechanical Vibrations
- Experimental stress analysis
- Control Engineering
- Automotive engineering
- Elements of Mechanical Engineering
- Computer Aided Engineering Drawing

ABOUT ME

I am a passionate and experienced teacher with 16 years of teaching experience. I completed my Ph.D. degree in Mechanical Engineering Sciences from Visvesvaraya Technological University (VTU), Belagavi, with a thesis titled "Study of the Effect of Shot Peening on Fatigue and Fracture Characteristics of Aluminium-Based Metal Matrix Composites.

I worked as an Associate Professor in the Department of Mechanical Engineering at ATME College of Engineering, Mysore, for a period of 10 years. I served as an Assistant Professor at Maharaja Institute of Technology, Mysore, for a period of 3.5 years. I worked as a lecturer at M.S. Engineering College, Bangalore, for a period of 1.5 years. Prior to that, I served as a junior training officer at Government I.T.I., Mysore-8, for a period of 2 years and 7 months.

I have organized Faculty Development Programs (FDP) and state-level intercollegiate Student Project Exhibitions. I was involved in various events and international conferences.

RESEARCH INTERESTS:

Surface treatment process, Compressive residual stresses, and metal matrix composites.

EDUCATION

- Ph.D - Study of the Effect of Shot Peening on Fatigue and Fracture Characteristics of Aluminium-Based Metal Matrix Composite.
SJCE,Mysuru/VTU,Belagavi
Year of Graduation : 2021
- M.E/M.Tech. - **Machine Design**
UVCE, Bangalore/Bangalore University
Year of Graduation : 2008
- B.E., - **Mechanical Engineering**
SJCE,Mysuru/VTU,Belagavi
Year of Graduation : 2005
- PG Diploma : **Yoga**
SPYSRC/Karnataka Samskrit university
Year of Graduation : 2021

PUBLICATIONS

1. Suresh Kumar. S, G. Mallesh (2022): Influence of controlled shot peening on Mechanical properties and Compressive residual stress of Al6061-TiB₂ Composite” published in Journal of The Institution of Engineers (India): Springer. <https://doi.org/10.1007/s40032-022-00823-x>
2. Suresh Kumar. S , Rathan Kumar K(2022):Enhancing Surface Layer Properties of Al6061-B₄C Composite by Controlled Shot Peening” published in IJSRSET ISSN: 2395-1990.
3. Suresh Kumar. S, Dr. G. Mallesh(2020):Design and Development of Air Blast Shot Peening Machine to Study the Effect of Shot Peening Process on Microstructure and Residual Stress in Al-2024 Aluminum Alloy,IRJET, ISSN: 2395-0056.
4. G. Mallesh, Suresh kumar.S (2017):Effect of shot peening on mechanical and wear properties of AISI1018 and AISI 304 steel by using wheel blast shot peening machine” inIJESMR, ISSN 2349-6193.
5. Suresh Kumar.S (2017): Computer Numerically controlled Multi operational Machine” in IJRAME,ISSN 2321-3051
6. Rakshith N, Manjunatha H S , Suresh Kumar S(2015):FE-Investigation of Semi Circular Curved Beam Subjected to Out-Of-Plane Load” in International Journal of Research in Engineering and Technology.

FDP/STTP/ WORKSHOPS/CONFERENCES/SEMINARS ATTENDED:

1. International Conference on Recent Trends in Mechanical Engineering-IJSRSET-2022.
2. International Conference on Recent Trends in Science and Technology – ICRTST 2021
3. International Conference on Recent Trends in Science & Technology-2020 (ICRTST - June 2020)
4. Emerging trends in Mechanical Engineering (2017)
5. International conference on Emerging Trends in Mechanical Engineering (2017)
6. International conference on Advances in Mechanical science(2016)

OTHER INFORMATION:

(Patents Filed/ Membership/Administration/Consultancy/Evaluator/Research Guidance and funding/Awards/Key Roles/Invited Talks Delivered, etc)

Worked as BOE memeber for SJCE Mysuru.