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GM UNIVERSITY

P. B. Road, Davanagere – 577 006 KARNATAKA | INDIA



## Contact

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Researchgate:

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Google Scholar

[:https://scholar.google.co.in/citations?hl=en&authuser=1&user=zAkD0hsAAAAJ](https://scholar.google.co.in/citations?hl=en&authuser=1&user=zAkD0hsAAAAJ)

## Mr. SANDEEP S H

Assistant Professor in ME

### Faculty

Faculty of Engineering and Technology

### School / Program

School of Engineering/

B.Tech. in Mechanical Engineering

### Faculty Introduction

Mr. Sandeep S. H is a Mechanical Engineer by training and faculty member in the Department of Mechanical Engineering at GM University, Davanagere. His research focuses on vibrations and hybrid sandwich panels, aiming to enhance structural performance and material efficiency in engineering systems. He has actively contributed to reputed academic forums through publications and presentations, demonstrating a strong commitment to research and innovation. His teaching and collaborative research initiatives emphasize practical learning, creativity, and problem-solving, inspiring students to integrate theory with real-world engineering applications.

## Qualifications

### Ph.D. (Pursuing)

Visvesvaraya Technological University (VTU), Belagavi,

### M. Tech. (Machine Design)

Visvesvaraya Technological University (VTU), Belagavi, 2013

### BE (Mechanical Engineering)

Visvesvaraya Technological University (VTU), Belagavi, 2011

## Experience

### Teaching

- 11 Years at GMIT, Davanagere.
- 01 Years at STJIT, Ranebennur.

### Industry

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### Research

Vibrations and hybrid sandwich panels for dynamic and structural performance.



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### Training Program Attended

- Application Software for Enhanced Course Delivery Auto CAD 3D tool organised by GM, University, Davanagere on 3rd to 5th October 2024.
- Two-day hands-on interactive training on “Python programming” organised by GMIT, Davanagere on 10th and 11th December 2022.

### Research Interest

- Composite and sandwich structures
- Vibration and buckling analysis
- Bio-based and hybrid composite materials

### Awards & Achievements

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### Publication / Patents

- **Patents**
- **National Conference Papers:**
- **International Conference Papers:**
- **National Journal Papers:**
- **International Journal Papers:**
  - S. H. Sandeep & C.V. Srinivasa (2020) “Hybrid Sandwich Panels: A Review”, International Journal of Applied Mechanics and Engineering, vol.25, No.3, 64-85.  
DOI: <https://doi.org/10.2478/ijame-2020-0035>
  - Subrahmanya Swamy S., B. R. Sreedhar, Vinayak J. Kalas, Chandan K. M, Sandeep S. H (2014) “Influence of Resin Content and Cast-Iron Powder Addition on Vibration Characteristics of Granite Epoxy Composites”, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, Issue 7, 14578-14588

### Professional Membership

- Indian Society for Technical Education. (Membership No. LM 108225) (Life Member)

### Awards & Recognitions

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### Administrative Responsibilities

- Department Level  
Project Coordinator, LEAP Coordinator, Sports, Cultural coordinator
- University Level

### Workshops / FDPs / Seminars Attended

- Five-day FDP on “ Teaching Learning Process to enhance Program Outcomes” organised by, RVCE Bengaluru- Date: 15<sup>th</sup> - 19<sup>th</sup> November 2021.
- Five-day FDP on “Information & Communication Technology (ICT) and Outcome Based Education (OBE)” organised by, RVCE Bengaluru, under the Margadarshan – AICTE Scheme, Conducted at GMIT, Davangere- Date 21<sup>st</sup> - 25<sup>th</sup> January 2020.
- Two-day workshop on Intellectual Property Rights (IPR) organized by KSCST–GMIT IPR Cell - Date 17<sup>th</sup> - 18th September 2018.
- Two-day workshop on Advanced Mathematical Techniques in Research and Engineering Conducted at GMIT, Davangere- Date 28th - 29th January 2018.
- Seminar on ‘Advances in Design of Aerospace Components and Pressure vessels-Fatigue Creep Fracture’ organized by MSRIT, Bengaluru - Date 21<sup>st</sup> - 22<sup>nd</sup> December 2017.

### Workshops / FDPs / Seminars Organized

- Two Day hands-on Workshop on “Hypermesh & MSC Nastran” Date: 17<sup>th</sup> and 18<sup>th</sup> February 2024. Organised by: GM Techno Centre, GM university, Davngere in association with Department of Mechanical Engineering, GMIT, Davangere.

### Projects Guided

- **UG Projects**
  - Imam Jafar M Makandar, Mahamad Rajaq A R, Mallikrehan M S, Mohammadrizwan K (2024). Hand Gesture Recognition System.
  - Jahnvi T M, Sunilkumar R, Swapna P, Vinayaka J C (2023). Free Vibration Studies on Natural Fibre Reinforced Hybrid Sandwich Panels.
  - Abhishek H, Arunkumar R, Darshan H R, Sreenivasa T S (2023). Determination of Mechanical Properties Hybrid Sandwich Panels.



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- Niraj H, Tejabhargav M, Vinod S Bandivaddar, Yashwanth S (2022). Effect Of Honeycomb Core on Natural Frequencies of Hybrid Sandwich Panels.
- Dhananjay P M, Karekallu Saiswaroop, Lekhan Kumar N A, Sumanth S Bhat (2021). Determination Of Natural Frequency of Hybrid Sandwich Panel.
- Akshay Kumar. B. K, Likith Kumar C, Amaresha R, Balaji M (2020). Microcontroller Based Solar Panel Cleaner.
- Shashank S M, Mukunda S R, Tanushree T, Deepa N (2020). Determination Of Natural Frequency Of Hybrid Sandwich Panel.
- Naveen H C, Prasanna S Gaonkar, Prem Sagar P L, Rakshith B K (2019). Experimental Characterisation of Natural Frequency of Hybrid Sandwich Panel.
- Bhargav Kumar G, Hitesh G N, Sadanandapatil M R, Saikiran R H (2018). Experimental Investigation on Bending Behaviour of Hybrid Sandwich panels.
- Omkar A D, Suraj S D, Shrinidhi M N, Sharathkumar H M (2017). Design and Development of Onion Topping and Sorting Machine.

#### Funded Projects / Grants Received

- **Design and Development of Onion Topping and Sorting Machine**, Project Guide: **Mr. Sandeep S H.**, Students: **OMKAR. A. D, SURAJ. S. D, SHRINIDHI. M. N, SHARATHKUMAR. H.M**, Department of Mechanical Engineering, **KSCST Student Project Programme**, Ref. No: 41S\_BE\_0479, Amount Sanctioned: ₹8,000/-, **AY 2017–2018**, Status: Completed.

#### Any Other Contributions