



ಜಿ. ಎಂ. ವಿಶ್ವವಿದ್ಯಾಲಯ

GM UNIVERSITY

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



## Contact

### Email

prashanthhr@gmu.ac.in

### Phone

9611673670

### Websites

#### LinkedIn

[https://www.linkedin.com/feed/?trk=guest\\_homepage-basic\\_google-one-tap-submit](https://www.linkedin.com/feed/?trk=guest_homepage-basic_google-one-tap-submit)

#### Google Scholar

<https://scholar.google.com/citations?user=jPDhLxsAAAAJ&hl=en>

#### Research Gate

[https://www.researchgate.net/profile/Prashanth-H-R?ev=hdr\\_xprf](https://www.researchgate.net/profile/Prashanth-H-R?ev=hdr_xprf)

## Mr. Prashanth H R

Assistant Professor in Mechanical Engineering

### Faculty

Faculty of Engineering and Technology

### School / Program

Faculty of Engineering and Technology

B.Tech. in Mechanical Engineering

### Faculty Introduction

Prashanth H R is an Assistant Professor in the Department of Engineering Design at GM University, Davanagere. He completed his postgraduation in Machine Design and is currently pursuing a Ph.D. in nanocomposites. His research work is on Metal Matrix Composites with a focus on nanocomposites and their applications in advanced materials. His academic interests include Mechanics of Materials and Theory of Machines. He is passionate about advancing research in composite materials and contributing to innovative engineering solutions.

### Qualifications

#### Ph.D. (Nano-Composites) - Pursuing

PESITM, Shivamogga - VTU, Belagavi, Karnataka.

#### M. Tech. (Machine Design)

BMS College of Engineering - Bengaluru, Karnataka, 2013

#### BE (Mechanical Engineering)

UBDT College of Engineering, Davanagere, 2009

### Experience

#### Teaching

- 12 Years at GM University, Davanagere

#### Industry

- 1.5 Years at Distinct Productivity Solutions, Bengaluru

#### Research

- In the field of Nano-Composites

#### Training Program Attended

- FDP on "Fusion for Industry 4.0: Digital Transformation in Design and Manufacturing" organized by PESITM Shivamogga, 18<sup>th</sup> - 22<sup>nd</sup> August, 2025.



ಜಿ. ಎಂ. ವಿಶ್ವವಿದ್ಯಾಲಯ

GM UNIVERSITY

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

- FDP on “Machine Learning Application in Nano composites and Nano fluids” organized by PESITM Shivamogga, 04<sup>th</sup> to 07<sup>th</sup> December, 2023.

#### Research Interest

- Metal matrix composites
- Nano-Composites

#### Awards & Achievements

- Best Faculty

#### Publication / Patents

- National Conference Papers: “Microstructure and Wear Behavior of Al2014-B4C Composite” International Journal of Engineering research and technology (IJERT), Volume 7, Issue 7

#### Professional Membership

- Indian Society for Technical Education. (Membership No. LM 108222) (Life Member)

#### Awards & Recognitions

-

#### Administrative Responsibilities

- Department Level- Placement, Internship coordinator & Alumni coordinator.

#### Workshops / FDPs / Seminars Attended

- FDP on “Frontiers in Advanced Materials, Manufacturing and Sustainability” organized by PESITM, Shivamogga, on 9<sup>th</sup> - 11<sup>th</sup> January, 2020.
- Intellectual Property Rights (IPR) (KSCST-GMIT IPR Cell approved two-day workshop) organized by GMIT, Davanagere on 17<sup>th</sup> & 18<sup>th</sup> September 2018.
- Advances in Design of Aerospace Components and Pressure Vessels- Fatigue Creep Fracture (2days AICTE approved Seminar organized by MSRIT, Bangaluru, 21<sup>st</sup> and 22<sup>nd</sup> December 2017.
- FDP on “Thermal properties on Materials”. Conducted by Alva’s Institute of Engineering & Technology, Moodbidri, Mangaluru, Karnataka in 2014.

#### Workshops / FDPs / Seminars Organized



ಜಿ. ಎಂ. ವಿಶ್ವವಿದ್ಯಾಲಯ

GM UNIVERSITY

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

### Projects Guided

- UG Projects- Guided over 14 undergraduate project batches, including 2 batches that received grants from KSCST.
- Badigera Vishwanatha, Harsha A, K Abhishek, Karthik T D (2024). *Study and mechanical characterisation of graphene aluminium nano composites.*
- Akshay kumar M S, Aruna S A, Duges S R, Edigara Rajashekar (2023). *Performance evaluation of mechanical properties of hybrid polymer composites.*
- Abhishek J, Ajaya N B, Manjunath A, Ranjit Kumar K U (2022). *Evaluation of Structural and Performance Properties of Metal Matrix Nanocomposites*
- Manoj Kulkarni, Adarsh C Kontikal, Amith S, Abhimanyu K S (2021). *Preparation and Mechanical characterization of Aluminium based nano composites.*
- Sagar K R, Noor sabha Kanum (2020). *Linear Static Analysis of Knuckle Joint and Crane Hook using CATIA and Hypermesh.*
- Pavan Gowda H P, Pradeepa Banakar, Sagar Sunil Siddapur, Sujith Y R (2019). *Tribological Characteristics of Manganese based MMC.*
- Sharath B K, Siddhu G, Srimanikanta A K, Venugopal M B (2018). *Experimental investigation of fracture toughness of silk/jute reinforced hybrid composites.*
- Kishan sawanth, Varun S B, Shreays, Shashank (2017). *Mechanical properties of materials at cryogenic properties.*

### Funded Projects / Grants Received

- Research proposal entitled as "Development of Aluminum Alloy Based Hybrid Nano-Composites to evaluate Mechanical Characteristics, Microstructure and Strengthening Mechanism." submitted by Dr. Girisha L (PI), Prashanth H R (Co-PI) under VTU Research Grants Scheme - 2021. Sanctioned amount Rs. 8.00 Lakhs.

### Any Other Contributions