

Faculty Profile



Dr. Girish Kumar R holds a Bachelor's degree in Mechanical Engineering from **PES Institute of Technology**, a Master's degree (M.Tech) from **R.V. College of Engineering**, and a **Ph.D. from Visvesvaraya Technological University (VTU)** with a specialization in *Laser Welding of Polymers*. He brings a strong academic foundation and research expertise to the field of mechanical engineering.

His primary areas of interest in teaching include **Entrepreneurship, Manufacturing Practices**, and **Engineering Drawing**, where he integrates practical insights with academic rigor to enhance student learning. Dr. Girish Kumar R is committed to fostering innovation and technical excellence among aspiring engineers.

Personal Information

- **Name:** Dr. Girish Kumar R
- **Designation:** Assistant Professor
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- **Phone:** [9844672333]

Google Scholar / ResearchGate / LinkedIn/ ORCID:

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

Domain of Expertise

Research Focus

- **Primary Area:** Laser welding, Lean Manufacturing,
- **Allied Areas:** Entrepreneurship, Leadership and Team Building

Academic Qualifications

Ph.D.: Mechanical Engineering Sciences, Visvesvaraya Technological University-Belagavi, 2023 (Laser welding of Polymers and Fibre reinforced composites)

M.Tech: Product Design and Manufacturing, R V College of Engineering, Visvesvaraya Technological University-Belagavi, 2012.

B.E.: Mechanical Engineering, PES Institute of Technology, Visvesvaraya Technological University-Belagavi, 2008.

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	Toyota Kirloskar Motors, Bengaluru	Engineer	Aug 2008- Dec 2008
2.	Bosch, Bengaluru	Senior Engineer	Dec 2008- Feb 2010
3	BMSCE, Bengaluru	Assistant professor	Aug 2012- Nov 2012
4	RVCE,Bangalore	Assistant professor	Nov 2012- present

Publications & Patents

Journal Publications

1.	Evaluation of mode 1 stress intensity factor for edge crack using displacement extrapolation method (2016) LJ Kirthan, R Hegde, VA Girisha, R Girish Kumar International Journal of Materials and Structural Integrity 10 (1-3), 11-22
2.	Case study on identification and elimination of waste through lean implementation in an automotive part manufacturing industry (2015) A Kumar, R Girish Kumar, NS Narahari, KM Mithilesh. International Journal of Lean Enterprise Research 1 (3), 253-265.
3.	Computational analysis of fatigue crack growth based on stress intensity factor approach in axial flow compressor blades, (2014). LJ Kirthan, R Hegde, BS Suresh, R Girish Kumar, Procedia Materials Science 5, 387-397.
4.	Laser Transmission Welding (LTW) of Three-dimensional (3-D) Printed Polylactic Acid (PLA) Sheets. (2023) R Girish Kumar, B Anand, S Jabiulla, HNN MURTHY, Lasers in Engineering (Old City Publishing) 54.
5.	Optimization of Laser Transmission Welding Process Parameters Using Single Objective and Multi Objective Optimization Technique (2019). R Girish Kumar, Mohd Shirgur. International Journal Of Mechanical Engineering and management.
6.	Parametric study of laser welding on polyamide using design of experiments. (2021). R Girish Kumar, HNN Murthy, B Anand, S Jabiulla. Journal of Physics: Conference Series 1950 (1), 012042.
7.	Design and Tolerance Stack up Analysis of Car Side Door Latch, (2013). H Chethan, R Girish Kumar R, N Udupa, R Ramakrishna Hegde. Int. J. of Research in Mech. Engg. & Tech 3 (2), 192-197.
8.	Experimental and Numerical Evaluation of In-plane Tensile Mode Stress Intensity Factor for

	Edge Crack Using Empirical Formulation of Displacement Extrapolation Method (2024). S Jabiulla, LJ Kirthan, R Girish Kumar, R Hegde, MM Math, VA Girisha. Journal of The Institution of Engineers (India): Series D, 1-11.
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Conference Papers

1.	Parametric study of laser welding on polyamide using design of experiments. (2021). R Girish Kumar, HNN Murthy, B Anand, S Jabiulla. Journal of Physics: Conference Series 1950 (1), 012042.
2.	Parametric study of Laser welding on Polyamide. (2019) R Girish Kumar, Syed Jabiulla, Kirthan LJ. National Conference on Recent trends in science, Engineering and Management. June 7 & 8, 2019, Dr. Ambedkar Institute of Technology.

Student Supervision

- **Ph.D. Candidates:** 0
- **M.Tech Students:** 05
- **Undergraduate Research Mentees:** 36

Teaching

Core Courses:

1. Entrepreneurship and Intellectual Property Rights
2. Computer Aided Engineering Graphics
3. Production Technology
4. Lean Manufacturing.

Advanced/Lab Courses:

- Design Lab, Fluid mechanics, Solid modelling

Professional Roles

Responsibilities

Industry-Institute Interaction Coordinator for the Dept of ME.