




R L JALAPPA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, & Approved by AICTE)

Doddaballapura - 561203, Bangalore Rural District

DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Name	Dr. LOKESH YADHAV B R	
Designation	Assistant Professor	
Area of Interest	New Product Development, Polymer Composites, Composite materials, Tribological analysis, etc..	
Email ID	lokeshyadavbr@rljit.in	
Research Identity	Orcid Id: 0000-0001-9836-1063 Scopus Id: 57216499556 Google Scholar Id: yBKmKA0AAAAJ	

EDUCATION:

2015- 2023 **Ph.D.** in *polymer composites*, | BMSIT &M, Bangalore | Visvesvaraya Technological University

2008-2010 **M.Tech** in *Product Design and Manufacturing (PDM)* | SSIT, Tumakuru | VTU

2002-2006 **BE** in *Mechanical Engineering*/ SSIT, Tumakuru | VTU

TECHNICAL SKILLS:

- Synthesis and processing of Polymer composite materials reinforced with fibers and fillers (Nano fillers)
- Mechanical and Tribological characterization of Polymer composites
- Analysis and prediction of results obtained for newly developed polymer based composite materials.
- Optimization of testing parameters using “**Taguchi method**” with the aid of **Minitab-17** Software.
- Scientific graphing and data analysis through **ORIGIN** software
- Design, layout planning and drafting of engineering drawing using **Autocad-06** software.
- Material Management through ORACLE based **ERP** package
- Preparation of Bill of Material and operation & maintenance manual for the project
- Manufacturing Support
- Implementing GD&T (Geometrical Dimension and Tolerance) to all manufacturing Drawings and adherence to the same during manufacturing.

SOFTWARE:

- AutoCadd, Creo, Ansys, Minitab, OriginPro, MS office.

PROFESSIONAL WORK EXPERIENCE:

- **4 years** of experience in Research and Development in preparation of newer polymer composite materials reinforced with fibers and fillers (Nano fillers) and Mechanical and Tribological characterization of newly developed materials. Preparing of articles for reputed peer reviewed journals.
- **4 years** of experience in material handling system, automation and airport baggage handling system.
- **10+ years** of experience as Assistant professor in the Department of Mechanical Engineering in R LJIT.

PUBLICATIONS:

- **B.R. Lokesh Yadhav**, H.K. Govindaraju, M.D. Kiran, B. Suresha, Three-point bending and impact behaviour of carbon/epoxy composites modified with titanium dioxide nanoparticles, *Materials Today: Proceedings*, Volume 43, Part 2, Pages 1755-1761, 2021.
- **B.R. Lokesh Yadhav**, C. Chandan, T. Raghavendra, B. Suresha, H.K. Govindaraju, Role of alumina filler on thermal properties of carbon-epoxy nanocomposites *Materials Today: Proceedings*, 2021
- Kiran M D, H K Govindaraju, **Lokesh Yadhav B R** “Evaluation of Mechanical and Fracture Properties of Nickel Coated Short Carbon Fiber/Epoxy Composites with Nanofillers” *Jour of Adv Research in Dynamical & Control Systems*, Vol. 12, Special Issue-02, 2020, DOI:10.5373/JARDCS/V12SP2/SP20201090.
- H K Govindaraju, Kiran M D, **Lokesh Yadhav B R** “Wear behavior of aluminum metal matrix composites: A Taguchi approach” *AIP Conference Proceedings* 2247, 040005 (2020); <https://doi.org/10.1063/5.0003802>.
- M.D. Kiran, H.K. Govindaraju, **Lokesh Yadhav B.R.**, B. Suresha & T. Jayaraju “Fracture Toughness of CNT Filled Carbon Fabric Reinforced Epoxy Composites”, *Materials Research Innovations*, Volume 25, Issue 2 (2021), <https://doi.org/10.1080/14328917.2021.1888511>.
- M.D. Kiran, H.K. Govindaraju, **B.R. Lokesh Yadhav** et al., “Fracture toughness study of epoxy composites reinforced with carbon fibers with various thickness”, *Materials Today: Proceedings*, 2021.
- H.K. Govindaraju, M.D. Kiran, **B.R. Lokesh Yadhav** Evaluation of fatigue behavior of Al6061-T6 alloy using rotating bending test, *Materials Today: Proceedings*, 2021
- M.D. Kiran, Sukruth K, H.K. Govindaraju, **B.R. Lokesh Yadhav** Tensile and impact strength of nickel coated short carbon fiber reinforced polyester composite, *Materials Today: Proceedings*, 2021

FDP/WORKSHOP ATTENDED:

- ❖ Attended six days workshop on *Design Aspects of Fatigue and Fracture in design of structures*, held at Department of Mechanical Engineering, BMSIT, Bangalore on 18th -23rd Jan 2016.
- ❖ Attended an MHRD Govt. of India Initiative workshop on “Virtual Labs” held at Sri Venkateshwara College of Engineering, Bangalore on 2nd June 2020
- ❖ Participated in online webinar “Current and Future developments in Automotive Engines” held on 16th July 2020 at AMC college of Engineering Bangalore.
- ❖ One week Faculty Development Programme (FDP) on “Materials and Its Characterizations” at Acharya Institute of Technology, Bangalore held during 22nd to 26th June 2020.
- ❖ one day webinar on “Polymer composite –tribology testing methods” organized by department of mechanical engineering Sai vidya institute of technology Bangalore held on 23rd July 2020.
- ❖ Attended six days Short Term Training Program (STTP) on “Advanced Research in Nanomaterials and Nano Composites” Sponsored by All India Council for Technical Education (AICTE), New Delhi, organized by Department of Mechanical Engineering, PESITM, Shivamogga on 20th -25th September 2021.
- ❖ Attended Five days online STTP program on “Mechanical Vibration Problem - Modelling, Simulation Experiments and Case studies” sponsored by Indian Society for Technical Education (ISTE) held during 13/09/2021 to 17/09/2021 organized by Department of Mechanical Engineering, The National Institute of Engineering, Mysuru, Karnataka

UNIVERSITY RESPONSIBILITIES:

- External Examiner for laboratories for UG Courses
- External/Internal Deputy Chief superintendent
- Appointed as Evaluator

OTHER RESPONSIBILITIES:**COLLEGE LEVEL:**

- Member-College magazine “SRUSTI”,
- Member -Weaker Section student cell,
- Member-College Anti ragging committee
- Member – Discipline committee
- Member – Cultural activities

DEPARTMENT LEVEL:

- Member- ISO Coordinator
 - Internship Coordinator
 - RLJIT, Local Guardian coordinator
 - Class coordinator
 - Timetable coordinator
 - Test coordinator
 - Industrial visit coordinator
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PROFESSIONAL MEMBERSHIPS:

- Member of Indian Society for Technical Education (MISTE)
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CONTACT DETAILS:

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