




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT

22 Mile, B.M Kaval, Udayapura, Kanakapura Road, Bangalore-560082.

DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Name	Dr. MANJUNATH B T	
Designation	Assistant Professor	
Educational Qualification	B E,M E, PhD.	
Experience in Years	20 years (Both Industry & Teaching)	
Area of Interest	Design of Mechanical components and Analysis of Fracture Surfaces	
Email ID	manjunath-me@dsatm.edu.in	

Educational Details

- Ph.D. - Completed in VTU Belgaum 2019 ,(Area of Research Fracture Mechanics)
- M.E - Machine Design from Bangalore University ,U V C E Bangalore, Passed with First Class
- B.E – Mechanical from Bangalore University P E S Institute of Technology Bangalore passed with First class

Personal Details

- Date of Birth: 05-09-1973
- Hobbies: New Innovation in technical field, Reading
- Languages Known : Hindi,Kannada,English,

Professional Experience

INDUSTRIAL EXPERIENCE:

- Worked as Process Engineer in Bangalore Malleable Casting Ltd., Bangalore, from 01.01.1997 to 01.09.2000
- Worked as Junior Research Fellow in Gas Turbine Research Establishment from 09-09-2000 to 10-09-2005

TEACHING EXPERIENCE:

- Worked as Assistant Professor in B T L Institute of Technology and Management from 05-10-2005 to June 26-07-2016.
- Working as Assistant Professor in D S A T M from 28-07-2016 to till date.

Publications

International Journals:

- **“Computational Procedures for Evaluation of Stress Intensity Factor”** - A Review International Journal of Research in Mechanical Engineering Volume 3, Issue 4, July-August, 2015,
- **“Evaluation of Critical Strain Energy Release Rate for Mode II Crack Propagation in Glass/Epoxy Composites”** Madhu S1 Manjunatha C2 B T Manjunath3IJSRD - International Journal for Scientific Research & Development| Vol. 4, Issue 04, 2016 |ISSN : 2321-0613
- **“Evaluation of Energy Release Rate for Mode I Crack propagation in GFRP structures “** International Journal of Engineering and Technology (IJET) Vol 9 No 3 Jun-Jul 2017
- **“Experimental Investigation of Energy Release Rate for In-plane Shear Mode in GFRP composites”**. International Journal of Engineering and Technology (IJET) Vol 9 No 4 Aug-Sep 2017.
- **“Evaluation of out of plane shear mode energy release in GFRP Structure”** B T Manjunath [1] Dr Suneel Kumar N Kulkarni [2] Dr L J Kirthan [3] Titled Paper presented in First International conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering ICATTECE-2019, held on 19th and 20th March 2019 at Dayananda Sagar Academy of Technology and Management
- **“Modular Transportation Using Robotugs Using Bio-Mimicry of Gecko Feet”** Bharath S, [1] Dinakar B R, [1] Jaishree G Jalde [1] B T Manjunath [2] WJERT Vol.4,Issue5,ISSN 2454-695X

Conference Publications

- **“Finite Element Analysis of Mixed Mode Stress Intensity Factor for Plate Using LEFM”** presented by B T Manjunath Titled Paper in Two Day Joint International conference on Advanced Materials (ICAM 2011), held on 19th and 20th August 2011 Jointly organized B T L institute of Technology ,Bangalore & the University of Delaware, Delaware, USA.The Conference held in B T L Campus, Bangalore.
- **“Evaluation of out of plane shear mode energy release in GFRP Structure”** B T Manjunath [1] Dr Suneel Kumar N Kulkarni [2] Dr L J Kirthan [3] Titled Paper presented in First International conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering ICATTECE-2019, held on 19th and 20th March 2019 at Dayananda Sagar Academy of Technology and Management

National Conference

- **Development of tricycle model for aircraft steering system”** Poovarasan[1] Dhanush[1] Rakshith[1] Parineeth [1] B T Manjunath [2] “National Level Conference on

Convergence of Science and Technology and Management”. DSATM Bangalore June 2017”

- **”Genthan-i on energy and direct material optimization”** Bharathraj S[1] Sharath Raysad[1] B T Manjunath[2] “National Level Conference on Convergence of Science and Technology and Management”. DSATM Bangalore June 2017”
- **“Numerical and Experimental evaluation of energy release rate for in plane mixed mode bending”**. B T Manjunath [1] Dr Suneel Kumar N Kulkarni[2] Dr L J Kirthan [3]“National Level Conference on Convergence of Science and Technology and Management”. DSATM Bangalore June 2017”.
- **“Ocean Thermal Energy Conversion”** B T Manjunath [1] Titled Paper presented in Recent Trends & Innovations In Mechanical Engineering & Technology - RTIMET ORGANIZED BY Department of Mechanical Engineering, held on 3rd and 4th May 2019 at Cambridge Institute of Technology, K R Puram Bnagalore-560036.

Awards

- Recognized and awarded shield and citation as the **“BEST TEACHER”** by Bangalore Thimmaiah Lakshman Institute of Technology and Management, Bangalore during the Academic year 2010-11.
- Received appreciation letter as a **“ APPRECIATES BEING A GREAT TEACHER “** from Dayanandasagar Academy of technology and management ,Department of Mechanical Engineering for Excellent student feedback 97.1 % during the Academic year 2017-18 for a subject Design of Machine Element (15ME64).
- Best U G ,V T U Project 2017-18 for **”Modular Transportation Using Robotugs Using Bio-Mimicry of Gecko Feet”**
- Letter of Appreciation given by Department of Civil Engineering DSATM, for Participating as Resource person and speaker on 16th November 2018 during Technical Lecture series held as part of filling the GAP Analysis in the subject **“STRENGTH OF MATERIALS”**.

Academic Activity

- Teaches many Mechanical Engineering subjects like Machine Design, Vibrations, Strength of Materials, Dynamics of Machinery, Kinematics of Machines, Finite Element Methods, Engineering Drawing, Machine Drawing, Material Science and Metrology, and also handled almost all Laboratory subjects during my teaching experience.
- Attended as trainer program on Computer Aided Engineering Drawing held at Siddaganga Institute of Technology Tumkur ,Karnataka
- Attended train the trainer program on Computer Aided Engineering Drawing held at BMSCE,Bangalore
- Participated in five days Faculty development program held in B T L Institute of

technology and management, Bangalore

- Participated in Three days International conference on “Emerging Science and Technology” held in B T L Institute of Technology and Management, Bangalore
- Participated in two day’s work shop on “Syllabus Framing for VTU” held in MSRIT 26-8-2019, Bangalore
- Participated in one day National Conference in Cambridge Institute of Technology on Recent Trends & Innovations In Mechanical Engineering & Technology-RTIMET ORGANIZED BY Department of Mechanical Engineering, held on 3rd and 4th May 2019
- Guided as Faculty adviser for SEA Team which is participated in “VIRTUAL BAJA SEAINDIA 2010-11 Competition held at INDIA HABITAT CENTER Delhi from 2nd – 3rd of July 2010.
- Participated in Two Day Faculty Enhancement Programme on “ **Intellectual Property Rights** “ jointly organized by DSATM – ISTE CHAPTER, DSATM KSCST IPR Cell & Department of Mechanical Engineering, DSATM, Bengaluru DURING 14th and 15th of February 2019. In association with Karnataka State Council for science and Technology ,IISc, Campus Bangalore -560012
- Three Day work shop on “**OBE PRACTICES**” from 18th ,19th and 20th June 2018 organized by DSATM, Bengaluru
- Three Day Workshop on “**National Board of Accreditation (NBA)**” on 11th to 13th of December 2017 organized by DSATM, Bengaluru.

Faculty Development Activity

- Participated in five days Faculty development on “ **CONTINUOUS IMPROVEMENT IN SCIENCE AND TECHNOLOGY**” program held in B T L Institute of technology and management, Bangalore (2011)
- As Coordinator conducted a faculty Development Program on “**COMPUTER AIDED DESIGN, MODELLING AND ANALYSIS OF MECHANICAL SYSTEMS**” 8-11th JANUARY 2018 in Department Mechanical Engineering, DSATM, Bangalore.
- As Coordinator conducted a faculty Development Program on “**RESEARCH OPPORTUNITIES ON MATERIAL AND MANUFACTURING**” 16th to 20th JANUARY 2019 in Department Mechanical Engineering, DSATM, Bangalore.
- As Coordinator conducted a faculty Development Program on “**AUGMENTED AND VIRTUAL REALITY INTERFACES FOR 3 D PRINTING AND DESIGN**” 28th JANUARY to 1st February 2020 in Department Mechanical Engineering, DSATM, Bangalore.

Administrative Activity

- Internal Test Co-ordinator 2006-2007
- VTU Exam Co-ordinator 2007-2009
- IN charge HOD in B T L Institute of Technology Management (2013 to 2015)
- Placement Co-ordinator 2010-2012 in BTLIT
- Placement Co-ordinator in Department of Mechanical Engineering, DSATM from August 2016 to till date.
- Faculty Development co-ordinator in Department of Mechanical Engineering, DSATM 27-8-2016 to till date.

Professional Membership

- International Association of Engineers ,Member Number: 149981

Contact Details

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Bengaluru-560082.

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Phone No.: **9945193146**

My Vision

- To impart quality technical education to today's students
- To be a excellent teacher and Engineer by keeping myself updated with the latest available technology in Mechanical Engineering Field
- To be a role model in developing technical carrier and Research activates to students
- To be a good human being who cares for dignity, respect, knowledge and understanding
- Giving practical examples about engineering subjects.