

## RESUME



**Dr. Thippeswamy Ekbote**

Professor

Department of Mechanical Engg.  
Bapuji Institute of Engineering & Technology  
Davangere-577004, Karnataka.  
Contact No: M +919731705696  
E-Mail : tekbote06biet@gmail.com:  
tekbote@bietdvg.edu

- Worked as a Lecturer in Mechanical Engineering Department of Sir MVIT, Bangalore from 1992 to 1996.
- Worked as a Lecturer in Mechanical Engineering Department of Bapuji Institute of Engineering & Technology, Davangere, from 1996 to 2005.
- Worked as Senior Lecturer in Mechanical Engineering Department of Bapuji Institute of Engineering & Technology, Davangere, from 2005 to 2007.
- Worked as Assistant Professor in Mechanical Engineering Department of Bapuji Institute of Engineering & Technology, Davangere, from 2007 to 2012.
- Promoted as Associate Professor from August 2012 in the department of Mechanical Engineering
- Working as Associate Professor in the department of Mechanical Engineering.

### **Qualification :**

**Ph.D, M.E. (Machine Design), B.E.  
(Mechanical Engineering)**

### **Experience :**

**25.5 years**

### **Objective:**

*To impart quality education, to motivate and inspire the student fraternity to face the challenges for their carrier growth and grab the best possible opportunities. To be a part of an organization for the meaningful career growth.*

### **Research Interests:**

Fibre reinforced Composites- design and analysis,  
optimization and study of vibration characteristics

## EDUCATIONAL QUALIFICATION:

- Ph.D from Visvesvaraya Technological university, Belgaum.
- M.E [Machine Design] from B M S College of Engineering, Bangalore, Bangalore University, 1992 with FCD.
- B.E [Mechanical Engineering] from U B D T College of Engineering, Davangere, Mysore University, 1986 with FCD.

## **DISSERTATION DETAILS:**

“Analysis, Optimisation and Experimental Validation of Mano Leaf Composite Spring”  
(USN: 4BD04PMM02)

## **AWARDS:**

- Awarded as the best out-going student of the batch in B E, Mechanical (UG).
- Awarded as a best teacher for 10 times from the college for achieving 100% result in the subjects taught to UG and PG students.

## **MEMBERSHIP:**

- Life Member of Indian Society for Technical Education- MISTE (LM 19644)
- Life Member of Institution of Engineer – MIE(M126542-8)

## **CORE SUBJECTS TAUGHT:**

UG: Machine design, Kinematics of Machines, Dynamics of Machines, Theory of Elasticity, Computer Aided Engineering Drawing, Computer Aided Machine Drawing, Operations Research, Elements of Mechanical engineering, Control engineering, Design and Drawing, Material science and Metallurgy.

PG: Theory of Elasticity, Theory of Plasticity, Composite Materials Technology, Fracture Mechanics.

## **EXPERT LECTURES DELIVERED:**

- Delivered guest lecture to PG Students for the subject Theory of Plasticity in the neighboring college S T J I T, Ranebennur.
- Delivered expert lecture to Diploma Students on “An Overview of Composites in Mechanical Engineering” in the neighboring college Govt.D.R.R Polytechnic, Davangere-577004.
- Delivered expert lecture to Diploma Students on “Mechanical Joints in Mechanical Engineering” in the neighboring college Govt.D.R.R Polytechnic, Davangere-577004.

## **SEMINARS/WORKSHOPS/EVENTS ORGANIZED:**

- Actively involved in conducting the International and National Conferences, Workshops and Seminars held in the Department of mechanical Engineering.
- Worked as staff volunteer in institute organized /conducted ISTE Chapter, VTU sports events, College day functions, etc.

- Organized one day Workshop on “ Vibration Measurements” using FFT Analyser to Mechanical UG & PG students and Faculties on 28th April 2018 held at Department of Mechanical Engineering, BIET, Davangere.

### **SEMINAR/ WORKSHOPS ATTENDED :**

1. Attended International Conference on “Recent Advances in Composite Materials”, Feb.20-23, 2007, Institute of Technology, BHU, Varanasi and presented a research paper.
2. Attended a National Conference on “Development of Advanced Composite Components In Aerospace & Automobile Applications” Feb. 9 – 10, 2007. BIET, Davangere, Karnataka, India and presented a research paper.
3. Attended a National Conference on “Recent Advances in Mechanical Engineering”, Dec.1-3, 2005. PACE, Mangalore, Karnataka, India and presented a research paper.
4. Attended a National Conference On “Development Of Advanced Composite Components In Aerospace & Automobile Applications” Feb. 9 – 10, 2007. BIET, Davangere, Karnataka, India and presented a research paper.
5. Attended a National Conference On “Advances in Materials & Manufacturing Processes” October 5-6, 2007, UBDTCE, Davangere, Karnataka, India and presented a research paper.
6. Attended the Two-day workshop on “Advanced Machine Design” at PES Institute of Technology on 18<sup>th</sup> and 19<sup>th</sup> August 1995.
7. Attended Continuing Education program sponsored by ISTE on “Methodology of Teaching and Evaluation of Mechanical Engineering Design and allied Subjects” at BIET, Davangere, Karnataka, India held during 27<sup>th</sup> to 31<sup>st</sup> July 1996.
8. Attended Continuing Education program sponsored by ISTE on “Seminar on Quality Circles” at BIET, Davangere, Karnataka, India held on 28<sup>th</sup> July 1997.
9. Attended Continuing Education program sponsored by ISTE on “CNC Machine Tools” at BIET, Davangere, Karnataka, India held during 18<sup>th</sup> to 19<sup>th</sup> Jan. 1997.
10. Attended Intensive Continuing Education course AICTE-ISTE Summer School on PRODUCT DESIGN conducted at IISc, Bangalore sponsored by CEP From March 15-26, 1999.
11. Participated in State Level Convention on “Non Conventional Energy Sources” at BIET, Davangere on 31<sup>st</sup> July to 1<sup>st</sup> august 1999, sponsored by ISTE and KSCST, Bangalore.
12. Attended the AICTE-ISTE Two week short Term Training Program on “Concepts and Practice of Computer Aided Design and manufacture “ at Mechanical Engineering Department, BIET, Davangere from 20<sup>th</sup> to 31<sup>st</sup> August 2001.
13. Participated in the CEP on “Finite Element Analysis for Mechanical Engineering Problems” at Sir M.VIT, Bangalore held during 17<sup>th</sup> to 19<sup>th</sup> Oct.2001.

14. Attended the AICTE-ISTE Two week short Term Training Program on “Computer Integrated Manufacturing (CIM)” at Mechanical Engineering Department, BIET, Davangere from 12<sup>th</sup> to 24<sup>st</sup> August 2002.
15. Attended the AICTE-ISTE Two week short Term Training Program on “Micro-Machining and Micro-Electro Mechanical System (MM & MEMS)” at Mechanical Engineering Department, BIET, Davangere from 21<sup>st</sup> July to 1<sup>st</sup> August 2003.
16. Attended the AICTE-ISTE Two week short Term Training Program on “Recent Advances in Materials & Manufacture of Thermal Systems (RAM & MTS)” at Mechanical Engineering Department, BIET, Davangere from 16<sup>th</sup> to 27<sup>th</sup> August 2004 .
17. Participated in the AICTE Sponsored seminar on “Recent Trends in Liquid Crystals, Polymers and Composite Materials” at Ghousia College of Engineering, Ramanagaram, Bangalore, held during 18<sup>th</sup> to 20<sup>th</sup> September, 2003.
18. Participated in One Day Workshop sponsored by IIPC and AICTE on “Vibration and Modal Analysis” conducted by N V Dynamics, Bangalore, at BIET, Davangere, on 29<sup>th</sup> April, 2005.

### **PUBLICATIONS:**

1. “Study and Development of Hybrid Vehicle” Volume 8, Issue 7, Page No. 519, July 2019, Paper ID: ART20199471, International Journal of Science and Research (IJSR) ISSN: 2319-7064.
2. “Design and Analysis of Maglev Trains”, Paper ID: Volume 8, Issue 7, Page No. 1444, July 2019, Paper ID: ART20199779, International Journal of Science and Research (IJSR) ISSN: 2319-7064
3. “ Free Vibration studies on Plates with Central Cut-out”, Springer ,CEAS Aeronautical Journal, An official Journal of European Aerospace Societies, ISSN 1869-5582,DOI 10.1007/s13272-018-0339-7. ( Paper accepted e-offprint received On 24 th October 2018)
4. “Mechanical Characterization of Zinc Coated Mild Steel Plate using L27 Taguchi Technique”, International Research Journal of Engineering and Technology (IRJET),Volume: 05,Issue:10-10-2018, e-ISSN:2395-0056 & P-ISSN:2395-0072.
5. “Study Microstructure and Surface Mechanical Properties of Electrodeposited Nickel Coating on Mild steel using Taguchi and ANOVA methods”, International Research Journal of Engineering and Technology (IRJET),Volume: 05,Issue:10-10-2018, e-ISSN:2395-0056 & P-ISSN:2395-0072
6. “Analysis and optimization of composite mono leaf spring for heavy duty truck suspension by finite element method”, International Conference On “Recent Advances In Composite Materials”, Feb.20-23, 2007, Institute of Technology, BHU, Varanasi.
7. “Static and modal analysis of mono leaf composite spring for light passenger vehicle suspension” paper has accepted in International conference on ISTAM-08, held at Dec. 27-30, 2008 at Osmania University, Hyderabad, India.
8. “Analysis of mono leaf fibre reinforced glass/epoxy composite spring used in light passenger vehicle suspension for its static and modal characterization”, at International conference on Frontiers in Mechanical Engineering, FIME 2010 held at NITK, Surathkal on May 20-22, 2010.

9. "Optimal design and analysis of mono leaf composite spring by finite element analysis" at IEEE International conference on Advances in Engineering, Science and Management (ICAESM) held at E.G.S Pillay Engineering College, Nagapattinam-611002, Tamil Nadu, India on March 30-31, 2012, IEEE Journal, pp 41, ISBN: 978-81-909042-2-2-3@2012 IEEE.
10. "Dynamic analysis of Mono Leaf Composite Spring of an automobile suspension System", International Journal of Mechanical Engineering Research, ISSN 2249-0019 , Volume 2, Number 2 (2012), pp.83-97 @ Research India Publications.
11. "Design Analysis and Optimisation of Mono Leaf Composite Spring For (Heavy Duty) Truck", National Conference On "Recent Advances In Mechanical Engineering", Dec.1-3, 2005. PACE, Mangalore, Karnataka, India.
12. "Analysis and Optimisation Of Composite Mono Leaf Spring For Heavy Duty Truck Suspension By FEM", National Conference On "Development Of Advanced Composite Components In Aerospace & Automobile Applications" Feb. 9 – 10, 2007. BIET, Davangere, Karnataka, India.
13. "Development Of A Fibre Reinforced Mono Leaf Composite Spring Used In Light Duty Commercial Vehicle", National Conference On "Advances in Materials & Manufacturing Processes" October 5-6, 2007, UBDTCE, Davangere, Karnataka, India.

### **EXTRA/CO-CURRICULAR ACTIVITIES:**

- The coordinator for the college bi-annual News letter BITECHVOICE since May 2019.
- Worked as BOS member of VTU in the year 2015-16.
- Working as Warden of Girl's hostel, Dr S.S.D.J.Ladies Hostel, "Amrutha" from April 2015 to December 2018.
- Worked as one of the coordinators in successful bringing and documenting of departmental activities for the purpose of NAAC committee visit in the year 2017.
- Actively involved in arranging Internship Training to our UG and PG students through proper communication to various organizations.
- Actively worked in various committees of annually held college cultural festival "Davana"
- Designed and developed Fabric Reeling Machine in the Textile department.
- Working as treasurer of Dept Prod-Mech forum and worked the same for more than six years.
- Worked as faculty assistants to the chief superintendent in conducting university examinations.
- Accompanied many industrial visits along with UG and PG students.
- Motivated and guided UG students to take part in GATE exam.
- Motivated many PG students to present papers on their project work in national and international conferences