

Mr. Ekanthappa J

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Education

	Degree	Year	Institute	Specialization
1	B. E	2009	Global Academy of Technology	Mechanical Engg.
2	M.Tech	2013	University BDT College of Engg.	Machine Design
3	Ph. D	Pursuing	University BDT College of Engg.	FRP Composite Material

Professional Experience

	Date (from-to)	Designation	Organization
1	Aug 2014	Till Date	Siddaganga Institute of Technology, Tumakuru
2	July 2013	May 2014	Shree Devi Institute of Technology, Mangalore

Affiliations of Professional organizations

- Life Member No. LM 92260 in - The Indian Society for Technical Education
- Associate Member No. AM174303-4 – The Institution of Engineers (India)
- Member SAE India – No. 7170111581

Courses Taught

Undergraduate Courses

- Foundations of Mechanical Engineering Science
- Strength of Materials
- Kinematics of Machines
- Dynamics of Machines
- Theory of Machines
- Vibration and Control System
- Finite Element Methods
- Automatic Control Engineering

Postgraduate Courses

- Fracture Mechanics

Research Areas

- Design and Analysis (FEA) of Automobile/Machine structures.
- Mechanics of Composite (FRP) Materials for Automobile/Biomedical Application.
- Mechatronics, Automation and Robotics.
- Failure Analysis of Structural Components.
- Management and Entrepreneurship.

Sponsored Projects

Completed Projects:

1. **Title:** “Investigation on Design and Fabrication of Continuous Fiber

Reinforced Composite Helical Spring for Automobile Suspension”

Funding Agency: VGST

Amount: Rs. 40000

Duration: 8 Months

Role: Research Scholar (M.Tech)

Publications

Journals

- Srivatsa E, Rahul Sanjay Gidaveer, Sachin N, Sujay Komal Patil, Anil Kumar K, Ekanthappa J “Design and Analysis of Vibration Test Fixture for 6.2 kW Siemens Motor” Journal IJIRSET, vol 9, Issue 5, Pages 3539, may 2020, DOI:Issue 5, may 2020

Conference Proceedings

- Kumar T.V.V.;Ekanthappa J.;Kashyap K.T.;Naik A.M. “Studies on precipitation hardening in copper chromium alloy with 1 wt% chromium”, AIP Conference Proceedings, Volume 2274, Year 2020.
- Ekanthappa J.;Kumar T.V.V.;Sunil B.;Kashyap K.T “Investigation of precipitation during recrystallisation in two phase Cu-Cr alloy”, AIP Conference Proceedings, Volume 2274, Year 2020. Doi.org/10.1063/5.0025037
- Ekanthappa, J.;Basavarajappa, S.;Shiva Shankar, G. S. “Fabrication & Experimentation of the Glass-Epoxy Helical Spring Reinforced with Graphite Powder ”, Materials Today: Proceedings, Volume 4, Year 2017, Pages 11034-11038 DOI:10.1016/j.matpr.2017.08.063
- Ekanthappa, J.;Shankar, G. S.Shiva;Amith, B. M.;Gagan, M. “Fabrication and experimentation of FRP helical spring ”, IOP Conference Series: Materials Science and Engineering, Volume 149, Year 2016 , DOI:10.1088/1757-899X/149/1/012098
- Ekanthappa, J.;Basavarajappa, S.;Sogalad, Irappa, “Investigation on design and fabrication of continuous fiber reinforced composite helical spring for automobile

suspension ", IET Conference Publications, Volume 2013, Year 2013

Patents

- Ekanthappa J, S Basavarajappa, G S Shivashankar, Patent No: 510429, Application No: 202141004126, Method and Apparatus for Fabrication of Fiber Reinforced Polymer Composite Helical Spring Using Reusable Mould.
 - o Date of Grant: 13/02/2024

Invited Lectures, talks and workshops

- Invited speech on "Modern Science and Technology" on 04 May 2016 at Winners Carriers Academy, Davanagere
- Invited talk on " Job Opportunities in Private and Public Sector" organized by the Dept. of Social Welfare office, Chitradurga on 5th may 2018
- Organized One day Workshop on "Mechanical Integrated System" on 5th March 2019 In the Dept. of mechanical Engineering SIT Tumakuru-572103, in Association with CMTI, Bangalore & CME, Dabaspeth
- Organized One day Workshop on "Mechatronics for Smart Manufacturing and Industry 4.0" on 8th July 2022 In the Dept. of mechanical Engineering, SIT Tumakuru-572103, in Association with CMTI, Bangalore.
- Organized half day Guest Lecture on "Industrial Applications of Vibration" on 28th January 2023 In the Dept. of mechanical Engineering, SIT Tumakuru-572103, in Association with CMTI, Bangalore.