




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.Hanumanthe Gowda	
Designation	Associate Professor & Head	
Area of Interest	Hybrid Composite Materials	
Email ID	hanumanthegowdanh@gmail.com	
Research Identity	Orcid Id:0000-0002-7333-5026 Scopus Id:57212942847 Google Scholar Id: ZcAAAAJ&hl	

EDUCATION:

- **Ph.D from VTU Belagavi July-2018**
- **M.Tech(Product Design and Manufacturing) N.I.E Mysore March-2010**
- **B.E (Mechanical) SSIT Tumkur June-2008**

TECHNICAL SKILLS: Processing of Metal Matrix Composites, SEM Analysis, Wear and Corrosion Behavior Mechanism

SOFTWARE: SAP MM, Solid Works, Auto CAD & CATIA

PROFESSIONAL WORK EXPERIENCE: 12 Years (Teaching: **11Yrs.**, Industry: **1Yrs.**, Research: **10 Yrs.**)

PUBLICATIONS:

I. Papers published in refereed international journals

1. “**Influence of Heat Treatment on Corrosion Resistance of A356/RHA/Al₂O₃ Based Hybrid Composites**” Hanumanthe Gowda, P. Rajendra Prasad, Published in *Materials Today Proceedings*, **ELSEVIER**, Volume 4, Issue 10, 2017, pp 10870-10878, ISSN 2214-7853.

2. **"Evaluation of Mechanical Properties of A356 Alloy Based Hybrid Composite at Different Ageing Conditions"**, Hanumanthe Gowda, P. Rajendra Prasad, Published in *International Journal of Scientific and Research Publications(IJSRP)*, Volume 6, Issue 8, August 2016, pp. 355-361, ISSN 2250-3153.
3. **"Evaluation of Wear and Corrosion Resistance of A356 Alloy Based Hybrid Composite Different Ageing Conditions"** Hanumanthe Gowda, P. Rajendra Prasad, Published in *International Journal of Materials Science, Research India Publication(RIP)*, Volume 11, Number 1, 2016, pp. 57-69, ISSN 0973-4589.
4. **"Investigation of Mechanical Properties of A356/Al₂O₃/RHA by Stir Casting Method"**, Hanumanthe Gowda, P. Rajendra Prasad, Published in *International Journal of Innovative Research and Development*, Volume 5, Issue 11, October 2016, pp. 144-148, ISSN 2278 – 0211.
5. **"Influence of Heat Treatment on Tribological Properties and Corrosion Resistance of A356 Alloy Based Hybrid Composite"** Hanumanthe Gowda, P. Rajendra Prasad, Published in *International Journal of Innovative Research and Development*, Volume 5, Issue 11, October 2016, pp. 149-154, ISSN 2278 – 0211.
6. **"Study on Mechanical Properties of Al7075 based Metal Matrix Composites"** Hanumanthe Gowda, *International Journal of Engineering Research and Technology*, Volume 3, Issue 17, 2015, pp. 1-4, ISSN: 2278-0181.
7. **"Evaluation of Mechanical Properties of A356 Cast Alloy/RHA/ Al₂O₃ Based Hybrid Composite at Different Ageing Conditions"**, Hanumanthe Gowda, P. Rajendra Prasad, *International Journal of Engineering Sciences and Management Research*, March 2017, pp. 42-48, ISSN 2349-6193
8. **"Evaluation of Mechanical and Tribological Properties of A356 Alloy Based Aluminium Oxide and Rice Husk Ash Particulates of Hybrid Composites"**, V Govardhana, Hanumanthe Gowda, *International Journal of Engineering, Basic Sciences, Management and Social Studies*, Volume 1, Issue 1, May 2017, pp. 45-50.
9. **"Study and Evaluation of Mechanical Properties of AL7075/AL₂O₃/MICA Particulates Hybrid Metal Matrix Composites"** Prakash Reddy V D, Hanumanthe Gowda,

International Journal of Engineering, Basic Sciences, Management and Social Studies, Volume 1, Issue 1, May 2017, pp. 61-70.

10. **“Evaluation of Mechanical Properties of Al7075/ Al₂O₃/B₄C based Hybrid Composites”**
Dr. Hanumanthe Gowda, Harish S, Published In **American Institute of Physics(AIP) Conference Proceedings**, Volume 2274, Issue 1, 2020, pages 030003-1 -030003-5.
11. **“Artificial Neural Network for prediction of Mechanical Properties of Aluminium A356/Al₂O₃/RHA Particulates Reinforced Hybrid Composites”** Dr.Hanumanthe Gowda, Harish S, Published In **American Institute of Physics(AIP) Conference Proceedings**, Volume 2274, Issue 1, 2020, pages 030002-1 -030002-5.

II. Papers presented in international conferences

1. **“Evaluation of Mechanical Properties of Al7075/ Al₂O₃/B₄C based Hybrid Composites”**
Dr.Hanumanthe Gowda, International Conference on Advances in Materials Research (ICAMR-2019) at Ramaiah University of Applied Sciences, Bangalore on 25th to 27th July 2019.
2. **“Artificial Neural Network for prediction of Mechanical Properties of Aluminium A356/Al₂O₃/RHA Particulates Reinforced Hybrid Composites”** Dr.Hanumanthe Gowda, International Conference on Advances in Materials Research (ICAMR-2019) at Ramaiah University of Applied Sciences, Bangalore on 25th to 27th July 2019
3. **“Fabrication and Analysis of Al7075 Based on Hybrid Composites”** Dr.Hanumanthe Gowda, Vijay Praveen P M, International Conference on “Innovations and Emerging Trends in Mechanical Engineering”(IIETME-2019) at Nagarjuna College of Engineering and Technology Bangalore, Karnataka, India on 26 and 27th March 2019.
4. **“Evaluation of Mechanical Properties of A356 Cast Alloy/RHA/ Al₂O₃ Based Hybrid Composite at Different Ageing Conditions”**, Hanumanthe Gowda, P. Rajendra Prasad, International Conference on Advances in Mechanical Sciences (ICAMS-2017) at MCE Hassan on 3rd to 5th March 2017.
5. **“Influence of Heat Treatment on Corrosion Resistance of A356/RHA/ Al₂O₃ Based Hybrid Composites”**, Hanumanthe Gowda, P. Rajendra Prasad, International Conference on Advanced Materials, Manufacturing, Management and Thermal Science (AMMMT-2016) at SIT Tumkur on 23rd-24th September 2016.

6. **“Mechanical Properties of Aluminium-SiC based Metal Matrix Composites”**Hanumanthe Gowda, International Conference on Innovations and Emerging Trends in Mechanical Engineering at NCET Bangalore on 13th June 2014.
7. **“Tensile Fracture Studies of Polypropylene/E-Glass laminates”**Hanumanthe Gowda,Second International Conference on Recent Advances in Composite Materials(ICRACM-2007) at Delhi on 20th- 23rd February 2007.

III. Papers presented in National conferences

1. **“Investigation of Mechanical Properties of A356/Al₂O₃/RHA by Stir Casting Method”**,Hanumanthe Gowda, P. Rajendra Prasad, “Recent advances in Industrial Engineering and Applied Chemistry (NCRAIEAC -2016) held at Sri Siddhartha Institute of Technology, Tumkur, Karnataka, India held on 21st and 22nd October 2016.
2. **“Influence of Heat Treatment on Tribological Properties and Corrosion Resistance of A356 Alloy Based Hybrid Composite”**Hanumanthe Gowda, P. Rajendra Prasad, “Recent advances in Industrial Engineering and Applied Chemistry (NCRAIEAC -2016) held at Sri Siddhartha Institute of Technology, Tumkur, Karnataka, India held on 21st and 22nd October 2016.
3. **“Formation of Al7075 based hybrid composite and evaluation of their properties”** Hanumanthe Gowda, National Conference on Emerging Trends in Mechanical Engineering(NCETM-2016) held at AIT,Chikkamagaluru,Karnataka,India held on 29th and 30th April 2016.
4. **Evaluation of Mechanical and Tribological Properties of A356 Alloy Based Al₂O₃ and Rice Husk Ash Particulates of Hybrid Composites**,Hanumanthe Gowda, National Conference on Emerging Trends in Mechanical Engineering (NCETM-2017) held at AIT, Chikkamagaluru, Karnataka, India held on 21stApril 2017.
5. **Development of Al7075 Mica-Alumina Particulate Hybrid Metal Matrix Composites and its properties evaluation**, Hanumanthe Gowda, National Conference on Emerging Trends in Mechanical Engineering (NCETM-2017) held at AIT, Chikkamagaluru, Karnataka, India held on 21st April 2017.
6. **“Tensile Fracture Studies of Polypropylene/E-Glass laminates”**Hanumanthe Gowda,National Level Technical Symposium,MOMENTUM-2007 held at Siddaganga Institute of Technology,Tumkur,Karnataka, India held on 13th march 2007.

7. **Weathering Performance of Glass/Coir**, Hanumanthe Gowda, National Level Technical Symposium, MOMENTUM-2006 held at Siddaganga Institute of Technology, Tumkur, Karnataka, India held on march 2006
8. **Tensile Fracture Studies of Epoxy /E-Glass laminates**, Hanumanthe Gowda, National Level Technical Symposium, MEXSYM-2006, held at T.K.M college of engineering, Kollam, Kerala, Indian held on 23rd to 25th 2006.
9. **Tensile Studies of Epoxy /Flyash laminates**, Hanumanthe Gowda, Techno Rush held at Golden Valley Institute of Technology, Kolar Gold Fields, Karnataka, India held on April 2006.

FUNDED PROJECTS:

SL. No	Title of the Project	Funding Agency	Amount Funded	Date
1	Multipurpose Hybrid Agro-vehicle	Karnataka State council for Science and Technology(KSCST)	7500/-	16/03/2020
2	Multipurpose Hybrid Agro-vehicle	VTU	5000/-	20/08/2020
3	Design & Development of Multipurpose Agro-Vehicle	VTU	5000/-	20/09/2021

FDP/WORKSHOP ATTENDED:

Faculty Development Programme (FDP) Attended

1. Two weeks Faculty Development Programme on “**LaTeX**” at Gopalan College of Engineering and Management in Association with **IIT Bombay Spoken Tutorial**, Bangalore held during 17th to 30th April 2020.
2. One week online Faculty Development Programme on “**Mechanical Engineering Virtual Labs**” at Nagarjuna College of Engineering and Technology in association with **Virtual Labs, NITK , Suratkal** held during 6th to 13th May 2020.
3. One week Faculty Development Programme on “**Manufacturing and Analysis of Advanced Materials and Engineering Structure**” at MLR Institute of Technology, Hyderabad held during 26th to 30th May 2020.
4. One week Faculty Development Programme on “**Advanced NDT Techniques and Applications in Industry**” at QISCET, Ongole held during 25th to 29th May 2020.

5. Five Days Faculty Development Programme on “**Recent Trends in Electrical Engineering**” at Vishnu Institute of Technology, Bhimavaram held during 8th June to 12th June 2020.
6. Three Days Faculty Development Programme on “**Mechanical Behavior of BIO and Composite Materials**” at Andhra Loyola Institute of Engineering and Technology held during 11th to 13th June 2020.
7. Three Days Faculty Development Programme on “**Advances in Machining Process**” at PES Institute of Technology and management, Shivamogga held during 17th to 19th June 2020.
8. Three Days Faculty Development Programme on “**Fracture Mechanics**” at PES Institute of Technology and management, Shivamogga held during 24th to 26th June 2020.
9. One week Faculty Development Programme on “**Advancements in Science and its Applications in Engineering**” at Hyderabad Institute of Technology and Management, Hyderabad held during 22nd to 26th June 2020.
10. Seven Days Faculty Development Programme on “**Contemporary Issues, Assessment, Collaboration, Research and Publications**” at Swami Shukdevanand PG college, Shahjahanpur held during 15th to 21th June 2020.
11. Six Days Faculty Development Programme on “**Advance trends in Mechanical Engineering**” Lords Institute of Engineering and Technology, Hyderabad held during 22nd to 27th June 2020.
12. One week Faculty Development Programme on “**Materials and Its Characterizations**” at Acharya Institute of Technology, Bangalore held during 22nd to 26th June 2020.
13. One week Faculty Development Programme on “**Technical Advancements in Mechanical Engineering**” at Balaji Institute of Technology and Science, Warangal held during 29th June to 3rd July 2020.
14. One week Faculty Development Programme on “**Recent Trends in mechatronics and Automation**” at NBN Sinhgad School of Engineering, Pune held during 30th June to 4th July 2020.
15. Five Days Faculty Development Programme on “**Advanced Materials Technology**” at Malnad college of Engineering, Hassan held during 1st to 5th July 2020.
16. One week National level Faculty Development Programme on “**Research Methodology and LateX with Hands-on**” at SVCE, Bangalore held during 6th July to 11th July 2020.
17. One week National level Faculty Development Programme on “**Recent Developments in Mechanical Engineering**” at Kakatiya Institute of Technology and science, Warangal held during 7th to 11th July 2020.

18. Five Days Faculty Development Programme on “**Recent Advances in Smart Materials for Sensors and Energy Applications**” at BMS Institute of Technology and Management held during 6th to 10th July 2020.
19. One week Faculty Development Programme on “**Research Proposal Writing and Opportunities in the field of Science, Engineering and management**” at Bangalore Institute of Technology, Bangalore held during 6th to 11th July 2020.
20. Five Days Virtual Faculty Development Programme on “**Agile Methodology**” at REVA University, Bangalore held during 14th to 18th July 2020.
21. Five Days National level Faculty Development Programme on “**Finite Element Analysis Practice and MATLAB**” at Tontadarya College of Engineering, Gadag held during 13th to 17th July 2020.
22. One week Faculty Development Programme on “**Recent Advances and trends in Mechanical Engineering and Material Science**” at K.S. Institute of Technology, Bangalore held during 27th to 31st July 2020.
23. Five Days Faculty Development Programme on “**Advancements and Futuristic Trends in Materials and Mechanical Engineering**” at Bangalore Institute of Technology, Bangalore held during 27th to 31st July.
24. One week Faculty Development Programme on “**Optimization Techniques for Mechanical Engineers**” at Vignan Institute of Technology & Science, Hyderabad held during 27th July to 1st August 2020.
25. TEQIP-3 sponsored one week Online Short Term Course on “**Reliability, Maintainability and Quality Issues in Process Industries**” at Dr. B .R Ambedkar National Institute of Technology ,Jalandhar held during 4th to 8th August 2020.
26. Five Days Virtual Faculty Development Programme on “**Materials Processing & Characterization: Current Perspectives**” at Bangalore Institute of Technology, Bangalore held during 31st August to 4th September 2020.
27. Five Days Faculty Development Programme on “**IP Rights and Patenting**” at Nitte Meenakshi Institute of Technology, Bangalore held during 5th to 10th October 2020.
28. One week online Short Term Training Program(STTP) on “**Automation Technologies in FMCG Sector**” at NIE Institute of Technology in association with MSME Development Institute ,Bangalore, **Ministry of MSME, Government of India** held during 28th September to 3rd October.

29. TEQIP-3 sponsored one week One week Faculty Development Programme on “**Concepts & Applications of Composite Materials**” at Indira Gandhi Institute of Technology, Sarang, Dhenkanal, Odisha held during 23rd to 27th February 2021.
30. One week online Faculty Development Programme on “**Recent Advancement in AI & Robotics**” at Dr D Y Patil School engineering and Technology, Pune held during 25th to 29th April 2021.
31. One day online Faculty Development Programme on “**Virtual Labs**” at VTU in association with **NIT Surathkal**, held during 20th October 2020.
32. Six days **AICTE, New Delhi under AQIS Sponsored** online short term training program on “**Intellectual Property for Engineers & Scientists**” –**Phase 1** at CMR Institute of Technology, Bangalore held during 9th to 14th November 2021.
33. Six days **AICTE, New Delhi under AQIS Sponsored** online short term training program on “**Intellectual Property for Engineers & Scientists**” –**Phase 2** at CMR Institute of Technology, Bangalore held during 23rd to 28th November 2021.
34. TEQIP-3 sponsored one week Faculty Development Programme on “**Advances in Manufacturing (AIM-2021)**” at BIT Sindri, Dhanbad held during 15th to 19th June 2021.
35. Three Days online Faculty Development Programme on “**Industry 4.0 Advanced Manufacturing**” at K.S.R.M college of engineering, Kadapa held during 18^h to 20th June 2021.
36. One week online Faculty Development Programme on “**Product and Process Innovation: Concepts, Protection and Commercialization**” at **Indian Institute of Technology Roorkee**, Roorkee held during 21st to 25th June 2021.
37. Five Day National National Level Faculty Development Programme on “**Application of Design, Modeling & Optimization Techniques in Mechanical Engineering**” at Tirumala Engineering College, Guntur held during 28th June to 2nd July 2021.
38. Six Day online Faculty Development Programme on “**Emerging Trends in Mechanical Engineering**” at Sharada University, Greater Noida, India held during 21st to 26th June.
39. Five Day National Level Online Faculty Development Programme on “**Data Analysis and artificial intelligence for Mechanical Engineers**” at Nitte Meenakshi Institute of technology, Bangalore, India held during 28th June to 2nd July 2021.
40. One week Faculty Development Programme on “**Recent Advances in Mechanical Engineering**” at BIT Sindri, Dhanbad held during 25th October to 29th October 2021.

41. Five day Faculty Development Programme on “**Trends and Advances in Mechanical Engineering**” at SS college of engineering, Kota held during 07th February to 11th February 2022.
42. One week Faculty Development Programme on “**Design Thinking**” at Vidya Vardhaka college of engineering, Mysore (VTU e learning center Mysore) held during 7th March to 12th March 2022.
43. One week Faculty Development Programme on “**FEM & Its Applications in Recent Material Technology**” at Government Engineering College, Bikaner (TEQIP-3) held during 25th October to 29th October 2021.

Workshops attended

1. Two Days Online Workshop on “**Basics of MATLAB and its Engineering Applications**” at PES’s Modern College of Engineering, Pune held during 21st and 22nd May 2020
2. TEQIP 1.3 sponsored Five Days Workshop on “**Processing and Characterization of Metal Matrix Composites**” at SJC Institute of Technology, Chikkaballapur held during 15th to 19th July 2019.
3. One Day Workshop on “**Virtual Labs**” at Sri Venkateshwara College of Engineering, Bangalore held during 2nd June 2020.
4. One week Workshop on “**Advances in Manufacturing Processes**” at BHARAT Institute of Engineering and Technology, Held during 13th to 17th July 2020.
5. One week Workshop on “**Materials Characterization using DMA**” at Acharya Institute of Technology, Bangalore held during 6th to 10th July.
6. Five Days Online Workshop on “**Thermal Characterization Techniques and Its Analysis**” at Acharya Institute of Technology, Bangalore held during 22nd to 26th July 2020.
7. TEQIP 1.3 sponsored Three Days Workshop on “**Realistic approach to wear Mechanism and Measurements**” at Cambridge Institute of Technology, Bangalore held during 21st to 23rd September 2019.
8. The Institution of Engineers (India) sponsored Two days all india seminar on Application of “**Green Manufacturing Technology in Mechanical Processing**” (AGMTMP-2019) at R L Jalappa Institute of Technology, Doddaballapur held during 13th to 14th September 2019.
9. One Day workshop on “**NI-LabVIEW and Applications**” at R L Jalappa Institute of Technology, Doddaballapur, Bangalore held during 6th February 2017.
10. Three Days Workshop on “**Research Design and Statistical Analysis using SPSS**” PG Center, VTU Mysuru held during 25th to 27th August 2016.
11. Three Days workshop on “**Research Methodologies and Latex**” at Vidya Vikas Institute of Engineering and technology, Mysore held during 29th to 31st December 2014.

12. One Day workshop on **“Innovative Product Development”** at National Institute of Engineering, Mysore held during 29th November 2008.
13. Three Days workshop on **“Rapid prototyping and Manufacturing”** at R V College of Engineering, Bangalore held during 11th to 13th may 2009.

CONFERENCE/FDP/WORKSHOP CONDUCTED:

1. Convener for one day workshop organized by department of ME on **“Sources of Research Grants and Art of Writing a Research Paper”** on 03/06/2021.
2. Convener for one day workshop organized by department of ME on **“EVOLUTION IN ENGINEERING ARENA”** on 18/02/2019.
3. Convener for one day workshop organized by department of ME on **“Intellectual Property Rights and Innovations/Patents in Engineering”** on 21/10/2022

UNIVERSITY RESPONSIBILITIES: Chief Superintendent, External Deputy Chief Superintendent and Internal Deputy Chief Superintendent

OTHER RESPONSIBILITIES:

COLLEGE LEVEL: Youth Red Cross Co-coordinator, NAAC Coordinator

DEPARTMENT LEVEL: Head of Department, NAAC Coordinator, LG Coordinator

**PROFESSIONAL MEMBERSHIPS: Life Member - Indian Society for Technical Education(MISTE)
Associate Member- Institution of Engineers(AMIE)**

CONTACT DETAILS: #60,1st Main ,2nd Cross, Kanasu, Mathru Layout, Yelahanka NewTown, Bangalore-560065