



RajaRajeswari College of Engineering

(An Autonomous Institute, Affiliated Visvesvaraya Technological University, Belagavi,
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Department of Robotics and Automation

Faculty Publications 2024-25

International Journal:

- 1) Dr. Vishwanath K C, “Microstructural and Tensile Characterisation of Si₃ N₄ Reinforced Al2219 Alloy Composites” Journal of Mines, Metals and Fuels, Vol 72(12): Dec 2024. DOI: 10.18311/jmmf/2024/45286
- 2) Dr. Vishwanath K C, Dr. N. Sreenivasalu Reddy, “Synthesis, hardness and tensile behavior of boron carbide reinforced Al6082 alloy composites for automotive applications” Brazilian Journal of Development, v.11, n.1, p. 01-19, 27th Dec 2024, ISSN: 2525-8761, DOI:10.34117/bjdv11n1-035
- 3) Dr. Vishwanath K C, Dr. N. Sreenivasalu Reddy, “Investigations on hardness and tensile behavior of micron boron carbide particles reinforced Al5052 alloy composites” Brazilian Journal of Development, v.11, n.2, p. 01-23, 07th Feb 2025, ISSN: 2525-8761, DOI:10.34117/bjdv11n2-055
- 4) Dr. Vishwanath K C, “High Temperature Wear Performance of Micron and Nano Coatings by Thermal Spray Technique-A Critical Review” Journal of Mines, Metals and Fuels, Vol 73 (3) | March 2025, pp 663-679; DOI: 10.18311/jmmf/2025/47408
- 5) Dr. Vishwanath K C, “Mechanical and fractography behavior of nano and micro boron carbide particles reinforced Al2014 alloy composites for aerospace applications” Research on Engineering Structures & Materials, DOI: <http://dx.doi.org/10.17515/resm2025-601me1229rs> Accepted: 05 May 2025
- 6) Dr.Satheesha V, “Influence of Mechanical Properties on Al5083 Metal Matrix Composites” International Journal of Engineering Technology and Management Sciences, Issue: 3 Volume No.9, May- June– 202, DOI:10.46647/ijetms.2025.v09i03.020 ISSN: 2581-4621
- 7) Dr. Radhakrishna R K, “The influence of Stacking Sequence on the Mechanical Properties of Woven Jute and Bamboo Fibre Reinforced with Epoxy Hybrid Composites, Journal of Mines, Metals and Fuels- Informatics Publishing Limited ISSN: 0022-2755, 71(12A): 63-72; 2023. DOI: 10.18311/jmmf/2023/45514
- 8) Channaveerayya, Gowreesh Subramanya, N Sreenivasalu Reddy, “ Performance Analysis of V-trough Solar Water Heater using Curve Shaped Riser Tubes”, Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, ISSN: 2289-7879, 123, Issue 2 (2024) 48-56



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International Conference:

- 1) Dr.M. Karthikeyan , “Cost effective humanoid robot for service applications integrating ESP32 for motion and Raspberry Pi for AI Communication” International Conference on Recent Research in Computational Sciences and Engineering (ICRRCE -2025) held on 12th April 2025 at RajaRajeswari College of Engineering, Bangalore.
- 2) Dr.Satheesha V, “Influence of Mechanical Properties on AI5083 Metal Matrix Composites” International conference on Research Communications in Engineering , science and management (ICRCESM) – 2025, Ramachandra college of Engineering, Eluru, Andra Pradesh on 30th & 31st May 2025
- 3) Dr.Satheesha V, “Optimizing W-EDM machining parameters on oil – hardened non shrinking steel” International conference on materials propulsion and Robotics – ICMPR 2025, Acharya Institute of Technology, Bangalore on 27th & 28th June 2025
- 4) Dr. Radhakrishna R K, “Investigation of tensile properties of 3D printed bamboo powder reinforced polylactic acid composites, published at Internationall Conference on Advances in Mechanical Engineering and Material Sciences(ICAMEMS-2025), held on10th and 11th March 2025 at Vidyavardhaka College of Engineering, Mysore.
- 5) Dr. Radhakrishna R K,” Evaluation of Mechanical and Thermal Properties of Woven Hybrid Glass , Jute and Bamboo fibre reinforced with Epoxy Composites published at International Conference on Advances in Aerospace and Navigation Systems (ICAAN 2024) , ACS college of Engineering, Bengaluru on 23-24 August 2024.

National Conference:

- 1) Dr.Satheesha V, “Performance analysis of shell and tube Heat exchangers with baffles for aerospace thermal management system” National conference on Recent Trends in Engineering Science and Technology held on 7th May 2025. ISBN : 978-93-6884-411-2