Faculty Profile

Name :Ravikumar Beeranur
Designation : Associate Professor
Department : Mechanical Engineering
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About me:

I received my Master's degree in Manufacturing Engineering from the Indian Institute of Technology Bombay (IIT Bombay), India, in 2012, and a Bachelor of Engineering (B.E.) in Mechanical Engineering from Basaveshwar Engineering College, Bagalkot, under Karnataka University, Dharwad, in 1998. My primary research interests include advanced manufacturing processes, particularly brazing of ceramics and metals and composite materials. My other areas of interest include plant layout simulation, industrial automation, robotics, CNC machining, process modelling and simulation, terrace gardening, and laser manufacturing. I have published eight research papers in international journals and conference proceedings. I also serve as a resource person for training programs on fluid power systems. I hold a Guinness World Record and a record in the Limca Book of Records, India (2012) for Rubik's Cube solving. Additionally, I have been recognized multiple times as an NPTEL Star for my contributions to online learning. I have been a Life Member of the Indian Society for Technical Education (ISTE) since 2017.

Qualification:

B.E (Karnataka Univ.), MTech(IIT B)

Courses Taught: UG program

1.Mechanical Engineering Science 2. Computer Aided Engineering Drawing 3. I C . Engine 4. Automotive Engineering 4. Power plant Engineering 5. Manufacturing engg I, II and III 6. CAD/CAM 7. Hydraulic and Pneumatic 8. Fluid Power system 9. Operation Research 10. Operation Management 11. Mechatronics 12. Industrial Automation 13. Robotic and Automation 14. Robotics and Computer Numerical Control 15. Material Science and Engineering 16. Robotic , Electric vehicle and 3D printing

Publications:

Journal Publications

1. Kumar, S., Divakar, H. N., Veerabhadraswamy, C. M., Nandini, T. S., **Beeranur, R.,** Kumar, H. S.,& Kallimani, A. K. S. (2025). Investigation of Slurry Erosion Wear Behaviour on Coir-Filled Polypropylene Composites. *Journal of Mines, Metals & Fuels*, *73*(5).
2. Kumar, S., Yadwad, A. M., Talikoti, B. S., Maiya, M., Shivaramakrishna, **Beeranur, R**., & Pujar, N. M. (2025). An experimental study on two-body dry sliding wear characteristics of rice straw particle filled polylactic acid composites. *Materials Research Express*, *12*(11), 115306.
3. Ullas, S. D., & **Beeranur, R**. (2022). Automated Quality Inspection of Printed Circuit Board.
4. **Beeranur, R**., & prakash, k. (2020). machine logic program development and electrical design of h gantry automation system for compressor housing. *international journal*, *9*(2), 576-580.
5. Manoj, G., kumar Beeranur, R., & Prakash, K. R. (2018). Designing a Software Test Automation Framework for Windows Application using Coded UI in Visual Studio Tool and Page Object Design. *i-Manager's Journal on Software Engineering*, *12*(4),
6. Mohan, H. S., Bharathesh, T. P., Sreenivas Rao, K. V., & **Beeranur, R**. (2015). Laser Assisted Brazing of Ceramic and Titanium Alloy Using Cu-Ag Filler Material. *Applied Mechanics and Materials*, *766*, 751-756
7. **Beeranur, R.,** Waghmare, K. K., & kumar Singh, R. (2014). Characterization of vacuum brazing of SS 304 and alumina ceramic with active brazing alloy. *Procedia Materials Science*, *5*, 969-977.
8. **Beeranur, R**., Waghmare, K. K., & Singh, R. K. (2013, June). Characterization of Vacuum Brazing of Ti6Al4V and Alumina With Cu-Ag Brazing Alloy via Substrate-Induced Reactive Mechanism. In *International Manufacturing Science and Engineering Conference* (Vol. 55454, p. V001T01A058). American Society of Mechanical Engineers.
9. **Beeranur R** and Yoke, P.**,** Design and Automation of HSU Assembly Station.

Other achievements:

- Life Member of the indian society for technicaleducation since 2017.
- I have also been recognized multiple times as an **NPTEL Star** by NPTEL

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