



Dr. SHRINATHA R KATTI

Assistant Professor, Department of
ME, NIE

CONTACT

+91 9036949487

shrithath.katti@nie.ac.in

Mysuru, Karnataka

Google Scholar Profile:

<https://scholar.google.com/citations?hl=en&user=VGywGeoA AAAJ>

ORCID ID:

<https://orcid.org/0000-0001-9852-5136?lang=en>

Professional Experiences

Teaching: 9 Yrs

Industry: 1 Yrs

Research: 1.5 Yrs

Courses Taught

PG

1. Computer Aided Engineering
2. Design for Manufacturing
3. Automation and Manufacturing Systems

UG

1. Control Engineering
2. Industrial Robotics
3. Computer Integrated Manufacturing
4. CAD/CAM

ABOUT ME

I am a passionate teacher and a Mechanical Engineer who has got considerable exposure to industry, research and teaching. I wish to put my theoretical knowledge into practice and train my students in the same way. I am passionate to work in the area of robotics and materials. I am working on using both the domains for mutual benefits. I would like to work extensively on collaborative research and industrial projects.

RESEARCH INTERESTS

1. Automation Technology

- Mobile Robotics
- Industrial Robotics
- CNC Technology
- FMS

2. Materials Engineering

- Nano Materials
- Fatigue Behaviour of Materials
- Polymer Nano composites
- Carbon Nano tubes,

EDUCATION

- **Ph.D - Fatigue behaviour of polymer nanocomposites**
Research Centre/University:
NIE Research Center under VTU, Belagavi.
Year of Graduation : 2022
- **M.E/M.Tech. - Computer Integrated Manufacturing (CIM)**
Institute/University:
RVCE, Bengaluru under VTU, Belagavi
Year of Graduation : 2012
- **B.E., - Mechanical Engineering**
Institute/University:
VVCE, Mysuru under VTU, Belagavi
Year of Graduation : 2009

PUBLICATIONS

1. S. R. Katti*, B. K. Sridhara, L. Krishnamurthy & G. L. Shekar, "Mechanical Behaviour of MWCNT Filled Polypropylene Thermoplastic Composites", Indian Journal of advances in Chemical Science, Vol 2, special issue, pp 67-70, 2014
2. Katti S. R., Achutha M.V., Sridhara B.K., "Fatigue Behaviour of Polymer Nanocomposites—A Review", In: Seetharamu S., Jagadish T., Malagi R.R. (eds), Fatigue, Durability, and Fracture Mechanics, Lecture Notes in Mechanical Engineering. Springer - Singapore, pp 541-547, 2021, https://doi.org/10.1007/978-981-15-4779-9_36
3. Shrinatha R Katti, M. V. Achutha, B. K. Sridhara, "Tensile behaviour of MWCNT and CNP Filled Polypropylene Thermoplastic Composites", Materials Today: Proceedings, Volume 43, Part 2, 2021, pp. 1678-1683, 2021 <https://doi.org/10.1016/j.matpr.2020.10.034>.
4. Shrinatha R Katti, M. V. Achutha, B. K. Sridhara, "Effect of Reinforcement on Tensile Behaviour of MWCNT Filled Thermoplastic Composites", Journal of University of Shanghai for Science and Technology ISSN: 1007-6735, 2020, <https://doi.org/10.51201/12316>

FDP/STTP/ WORKSHOPS/CONFERENCES/SEMINARS ATTENDED

1. 1-week "Train the Trainer" programme on Build your Own Robot from robotics industry Holoworld in Oct 2022.
2. 1 - week FDP on "Artificial Intelligence and its applications in Robotics", Jan 2020
3. 1 - week FDP on Control Systems, Jan 2019.
4. 1 - week FDP on Instructional Delivery by NITTTR, Chennai, Jan 2018
5. 1 - week FDP on PLC and SCADA in Jan 2018
6. 1 - week FDP on Instructional design & delivery by NITTTR, Chennai, Jan 2017
7. FDP on Robotics and Controls, March 2016

FDP/STTP/ WORKSHOPS/CONFERENCES/SEMINARS ORGANIZED

1. Organized one week FDP on Recent Trends in automation Technologies under the funding from Ministry of MSME, Govt. of India, Feb 2023
2. Organized series of skill development programmes at institute level and trained nearly 600 students from various disciplines on Build your Own Robot Nov 2022 - July 2023
3. Organized series of hands - on training programmes and trained over 150 students on CNC Turning center at NIEIT, 2021-2022
4. Organized 2-day workshop on "Operation and Programming of Mobile Robots", Apr 2019
5. Organized Short term training Programme on "MasterCAM and its Applications in CNC", July 2018
6. Conducted One-day workshop on Recent trends in Robotics and Mechatronics, NIE, Nov 2016
7. Conducted One-day workshop on Operation and programming of KUKA robot, NIE, Sep 2016

Professional Bodies

Professional Member - IEEE Robotics and Automation Society

OTHER INFORMATION:

1. Faculty In-Charge of
 - a. CNC Training Center and
 - b. Center for Robotics and Control
2. Faculty advisor - NIE IEEE Robotics and Automation Society
3. Resource person for a talk on “Navigating Core Careers – Mechanical Engineering”, Oct 2023
4. Resource person for International training on Robotics and Automation technologies for a team of professionals from Bhutan Nation, May-Jun 2023
5. Resource person for Internship on Automation Technologies for students from various disciplines. May 2023
6. Resource person for an invited lecture from VTU, Muddenahalli, on Manipulator Kinematics, Jun 2023
7. Completed all the tasks assigned for Task Based Training (TBT – 2018) under E-Yantra Lab Setup Initiative (eLSI) from IIT-Bombay, April – July 2018.
8. Setup “Robotics lab” under E-Yantra Lab Setup Initiative (eLSI) from IIT-Bombay at NIEIT, Aug 2018
9. Started the NIEIT robotics club “स्व – Yantra”, Apr 2019