

Faculty Profile

Name : Dr .Latha B M
Designation : Assistant Professor
Department : Mechanical Engineering
Contact Details: +91-9148768897
E-mail : lathabm@nie.ac.in
Phone : 0821-4004930



About me: I have been working as an Assistant Professor at the Department of Industrial and Production Engineering since 2005 and was transferred to the Department of Mechanical Engineering in December 2025. I have taught various manufacturing and production engineering courses, as well as several management courses, for both undergraduate and postgraduate students. Since 2023, I have been associated with the NIE-AICTE IDEA Lab, where I support innovation, prototyping, and interdisciplinary student projects. I have conducted several faculty development programs, student training programs, and outreach programs for diploma and government polytechnic students, as well as for engineering colleges. My research interests include Lean Manufacturing Systems and Supply Chain Management.

Qualification:

B.E. (Mysore University), M-Tech (VTU, Belagavi), Ph.D. (VTU, Belagavi)

Courses Taught:

UG

1. Operations Research
2. Operations Management
3. Introduction Artificial intelligence
4. Introduction to data science
5. Elements of Mechanical engineering
6. Lean manufacturing system
7. Computer Aided Engineering Drawing
8. Computer machine Engineering Drawing
9. Innovations and design thinking

PG

1. Welding technology
2. Advanced operations research

Publications:

1. Latha, B. M., N. V. Raghavendra, and Jangam Ramesh. "Application of value stream mapping using simulation tool in manufacturing assemble line: A case study." *IOP Conference Series: Materials Science and Engineering*. Vol. 1065. No. 1. IOP Publishing, 2021
2. Prashanth, M. V., Bharath, K. N., Fathima, N., Latha, B. M., Sathisha, M. S., Ramji, B. R., & Yathiraj, G. R. (2025). Machine Learning Approaches for Solar PV Fault Identification. *SN Computer Science*, 6(7), 839.
3. Rao, A. S., Sangamesh, M. A., Nayak, H., Latha, B. M., & Pallavi, B. K. (2022). Investigation of Hot Corrosion Behavior on QE22A-Magnesium Silver Alloy through Steaming Method. *SAE International Journal of Materials and Manufacturing*, 15(05-15-03-0015), 219-228.
4. Latha, B. M., C. M. Kalyan, and K. Monisha. "Effective utilization of waste plastic materials using pyrolysis method." *Materials Today: Proceedings* 92 (2023): 338-343.
5. Latha, B. M., and N. V. Raghavendra. "Productivity improvement using SWCT principle in continuous manufacturing Industry: A case study." *Materials Today: Proceedings* 52 (2022): 950-956.

Other achievements:

- Facilitator for establishing innovations and design thinking lab at NIE north campus
- Facilitator for the MoU with kaynes technology india limited mysuru
- Facilitator for the MoU with NIE- AICTE idealab and diploma colleges
