

Dr. Sidharth Jain (Mechanical Engineering)

Soft Skills: FORTRAN, MATLAB, ANSYS, ABAQUS, PRO/E, AUTOCAD,

Specialization

M.Tech: Mechanical Production Engineering

Ph.D: Metallurgical & Materials Engineering

Area of Interest

Research: Material Characterization, Manufacturing Processes, Simulation & Modeling, Powder Metallurgy, Additive Manufacturing, Tribology & Wear

Technology Development: Real Time Process Control

Innovation: Development of Low Cost Intelligent Temperature Controller for Heating Furnace

Technology Transfer: Defect reduction in brass based castings- Ongoing

Participated - In Specialized Training / Certified Courses:

1. Advanced Fracture Mechanics- IIT Guwahati 2006
2. Emerging Areas in Welding Research- DCE, Delhi, 2008,
3. ABAQUS Users Meet, New Delhi 2009,
4. Indian Institute of Metals-Annual Technical Meeting, Kolkata 2011,
5. Light Metals, Frankfurt Germany 2011,
6. Powder Metallurgy Association of India, PM/11, PM/12, PM/13 International Conference & Training Program,
7. Processing & Fabrication of Advanced Materials-12 Singapore 2012,
8. Corrosion Prevention & Control, UPES Dehradun, 2014,
9. Industry 4.0, MIET Meerut, 2020.

Publication - Books / Chapters / Papers / Articles / Blogs:

1. Various Tuning and Optimization Techniques Employed in PID Controller: A Review, PROCEEDINGS OF INTERNATIONAL CONFERENCE IN MECHANICAL AND ENERGY TECHNOLOGY, 978-981-15-2646-6, Book Chapter, Springer, Accepted and Corrected.
2. Simulation and Mathematical modelling of Electric Resistance Furnace (ERF) and transfer function derivation, Submitted for Publication, accepted 29/02/2020, under review.

Any Other Information:

B. Tech project guided - 24

M.Tech dissertation supervised - 04 (01-ongoing)

PhD. under supervision -01