CURRICULUM VITEA

Harpreet Singh

Member IE, IIW

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Professional Education

- **PGCM Operations: Jan. 2025 - Dec. 2025, C.G.P.A is 3.75/4**
  All India Management Association (AIMA), New Delhi

- **Master of Technology: 2022-2024, C.G.P.A is 8.52**
  Digital Manufacturing, BITS PILANI, Rajasthan

- **Bachelor of Technology: First Class 2009-2012**
  Mechanical Engineering, BBSBEC Shri Fatehgarh Sahib, PTU Jalandhar

- **Diploma: First Class 2006-2009**
  Computer Science, Govt. Poly. College Bathinda, PSBTE & IT Chandigarh

Work Experience

- **Senior Technician, 16 Feb. 2018 to Present**
  Central Workshop, BITS Pilani, Pilani Campus, Rajasthan

- **Junior Consultant, 01 Nov.2012 to 30 Sept. 2017**
  Advanced Training Institute (Govt. of India) Gill Road, Ludhiana

Conference Presentations

- Microwave-Assisted Joining of ABS–PLA Dissimilar Polymers: Influence of Processing Parameters on Microstructure and Mechanical Performance. AIMDTR-2025 Conference (IIT Indore), 2025.

- Tensile Characteristics of Microwave energy-based joints fabricated using FDM 3D Printed ABS Samples. (Accepted in Young Professionals' International Conference YPIC 2025 at NSUT).

Professional Memberships

- **Lifetime member of IEI**
- **Member IIW**

Professional Developments & Certifications

- **Inspection and Quality Control in Manufacturing, IIT Roorkee** through NPTEL
- **Introduction to Machining and Machining Fluids, IIT Guwahati**, through NPTEL
- **SIMULINK ONRAMP by Math Works 100% completion, self-paced course.**
- **Principles of Casting Technology, IIT Roorkee**, through NPTEL
- **Theory & Practice of Non-Destructive Testing, IIT Madras** through NPTEL
- **Manufacturing Process Technology I & II, IIT Kanpur**, through NPTEL
- **Manufacturing Guidelines for Product Design, IIT Roorkee** through NPTEL
- **3D Printing & Modelling for Beginners, PRUSA Academy**
- **LASER-Based Manufacturing, IIT Guwahati**, through NPTEL
- **Metal Additive Manufacturing, IIT Kanpur**, through NPTEL
- **Advanced Machining Processes, IIT Guwahati**, through NPTEL
- **Joining Technologies for Metals, IIT Roorkee**, through NPTEL
- **Six Month Interactive Skills & personality Enhancement Course, PAU Ludhiana**
- **One Year French Language Course, PAU Ludhiana**
- **Auto CAD 2012 from Autodesk Chandigarh**

Faculty Development Programme (FDP)

- 5 Days National workshop on **'AI-Driven Advanced Manufacturing for Industry 5.0', NIT Rourkela, 13 April – 17 April 2026.**
- One-week Online FDP Program on **'Emerging Optimization Techniques for Engineering & Research', IIITDM 09 Sept. – 13 Sept.2024**
- One-week Online FDP Program on **'Modern Manufacturing 4.0', NIT Delhi, 07 Feb. - 12 Feb. 2023.**
- One-week Online FDP Program on '**Application of Soft-computing techniques and Numerical Modelling in "Additive Manufacturing and Materials Processing', SVNIT Surat.**
- One-week Online FDP Program on **'Advances in Materials & Design (AMD-2023)', SVNIT Surat.**
- Two-day virtual Workshop on **Reliability, Availability, Maintainability & Safety, Vellore Institute of Technology**
- Two-day virtual Workshop on **Additive & Subtractive Manufacturing for Advanced Engineering Applications: Challenges & future aspects IIT Roorkee**
- One-day virtual Seminar on **Basics of CAD & CAM Technologies, CSIR-CSIO Chandigarh**

Certificate of Appreciation

- Mentorship of Train the Trainer Programme. BITS PILANI, 2025
- NPTEL Discipline Star (Mechanical Engineering) July-Dec. 2022
- NPTEL ENTHUSIAST Star July-Dec. 2022
- NPTEL BELIEVER Jan.- Apr.2022

This is to certify that the above information is true to the best of my knowledge.

Date: 12 May 2026

Place: - Pilani Harpreet Singh