CURRICULUM VITEA

Harpreet Singh

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Residence: - H No. 55/2 Paschim Marg, BITS Campus, BITS Pilani
Pilani 333031 Rajasthan



Professional Education

- **Post Graduate Certificate in Management: January 2025- Pursuing**

Operations System, 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 C.G.P.A is 7.2**

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 Till Date**

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

- **Supervisor, 01 June 2012 to 30 Oct. 2012**

AMCO Industries, Janta Nagar Ludhiana

Memberships

- **IEI Lifetime member.**
- **IIW Member**

Short Term Courses

2025

- **Welding Processes, IIT Madras** through NPTEL
- **Advances in Additive Manufacturing of Materials, IISC Bangalore**, through NPTEL
- **Finite Elements Modelling of Welding Processes, IIT Guwahati** through NPTEL
- **Welding Metallurgy, IIT Roorkee**, through NPTEL

2023

- **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.**

2022

- **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

2021

- **Advanced Machining Processes, IIT Guwahati**, through NPTEL
- **Joining Technologies for Metals, IIT Roorkee**, through NPTEL

2016

- **Six Month Interactive Skills & personality Enhancement Course, PAU Ludhiana**

2014

- **One Year French Language Course, PAU Ludhiana**

2012

- **Auto CAD 2012 from Autodesk Chandigarh**

Technology Development Workshops/FDP

- 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 days virtual Workshop on **Reliability Availability Maintainability & Safety, Vellore Institute of Technology**
- Two days 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**

Software Knowledge

- Fusion 360, Cura, Ansys, MATLAB
- FlexSim23
- Proteus, Simulink
- AutoCAD
- COMSOL 6.0

Curriculum Activities

- 2nd Position in Robo War in TECHMANTHAN 2011 held at BBSBEC Fatehgarh Sahib
- Participation in Project making Competition in PUSPA GUJRAL SCIENCE CITY KAPURTHALA.

Certificate of Appreciation

- 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: - 06 May 2025

Place: - Pilani Harpreet Singh