

CURRICULUM VITAE



HARTAJ SINGH *(Perusing Ph.D)
M.Tech(Production Engineering), B.E (Automobile Engineering)

H.NO. 180/A, BAKSHI NAGAR JAMMU-180001,(J&K), India

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Experience:15+ Years

OBJECTIVE

I wish to contribute my best effort towards performance of professional duties with excellence, independent, and integrity, with the application of function of knowledge and experience, by accepting new challenges and exploring the work areas in the field of engineering and reach the zenith of success.

EDUCATIONAL QUALIFICATIONS

- M-Tech. (Production Engineering) from Beant College of Engineering and Technology, secured First Class with 71.80 % marks.
- B.E. (Automobile Engineering) from Gulbarga University, Karnataka.
- Area of Research: Aluminum Matrix Composites, Morphological Study, Manufacturing Technology and Optimization Techniques.

PRESENT EXPERIENCE

- Presently working in Arni University, Himachal Pradesh as Assistant Professor in Mechanical Engineering Department from 1st June, 2019 to till date.
- In Addition worked as Guest Lecturer in National Power Training Institute (Hydro Power) month of Oct. 2015 under Ministry of Power, Govt. of India Nangal Dam, Ropar, Punjab.

WORKED EXPERIENCE-I:

[2.7 yrs]

Worked as In-charge of Head, Department of Mechanical Engineering & Associate Dean, RTT in 'Indus International University' Himachal Pradesh as from 1ST August, 2015 to April, 2018.

WORKED EXPERIENCE-II:

[2.3 yrs]

Worked as Head, Department of Mechanical Engineering Cum Assistant Professor in Arni University, Himachal Pradesh from 20th August, 2013 to July, 2015 in Department of Mechanical Engineering.

WORKED EXPERIENCE-III:

[1 yrs]

HIET (Himachal Institute of Engineering & Technology), Shahpur, Kangra, H.P—worked as HOD, Mechanical Engineering.

WORKED EXPERIENCE-IV:

[6 yrs]

ORGANISATION: M.B.S.C.E.T- Mahant Bachittar Singh College of Engineering and Technology, Jammu (J&K).

DURATION: Six Years (2006-2012).

DESIGNATION: Assistant Professor/Faculty.

JOB PROFILE: Teaching subjects: Machine Drawing, Engineering Drawing, Engineering Thermodynamics, Internal Combustion Engines, Automobile Engineering, Industrial Engineering, Production Engineering, Metrology and Manufacturing Engineering.

WORKED (INDUSTRIAL) EXPERIENCE-V:

[3 yrs]

ORGANISATION: AMP- Anand Motor Products (Pvt.) Ltd. It's ISO (9001):2000 as well as TS-16949 certified and manufacturing sheet metal & rubber mountings & Its "OEM Group" for the production of automobile components.

DURATION: Two Years (2003 to 2006)

DESIGNATION: Quality Engineer.

MEMBERSHIP

- Life Time Membership of ISTE – "Indian Society of Technical Education".

RESEARCH WORK:

INTERNATIONAL JOURNALS / PUBLICATIONS:

- [1] Hartaj Singh, Kapil Singh, Sachit Vardhan, Sanjay Mohan, Vishal Singh, Functional Composites and Structures, 3(2021) 015007, <https://doi.org/10.1088/2631-6331/abddc8>
- [2] Hartaj Singh, Gagandeep Singh, Kapil Singh, Sachit Vardhan, Functional Composites and Structures, 3(2021) 015004, <https://doi.org/10.1088/2631-6331/abdb99>
- [3] Hartaj Singh, Kapil Singh, Sachit Vardhan, Sanjay Mohan, Materials Today: Proceedings, (2020), <https://doi.org/10.1016/j.matpr.2020.12.585>
- [4] Kapil Singh, Hartaj Singh, Sachit Vardhan, Sanjay Mohan, Materials Today: Proceedings, (2020), <https://doi.org/10.1016/j.matpr.2020.12.601>
- [5] Hartaj Singh, Dharampal Singh, Arvind Kumar Chauhan, Vishal Singh, International Journal of Current Science and Technology, 3(9), (2015), 66-69.
- [6] Harsh Bhadiar, Hartaj Singh, Amit Sharma, Pardeep, Journal of Mechanical and Civil Engineering (IOSR), 12(2), (2015), 34-38.
- [7] Hartaj Singh, Neeraj Pandita, Pardeep Singh, Kapil Singh, International Journal of Research in Applied Sciences and Engineering Technology, 2(9), (2014), 206-212.
- [8] Hartaj Singh, Sarabjit Singh, Nripjit, Journal of Engineering Research Studies, 3(1)(2012), 61-64.
- [9] Hartaj Singh, International Journal of Advance Engineering and Research Studies, 1(3)(2012), 39-41.
- [10] Hartaj Singh, Sarabjit Singh, Nripjit, Anand K. Tyagi, Journal of Engineering Research Studies, 2(4) (2011), 72-78.

INTERNATIONAL CONFERENCES

- [1] 4th International Conference on Advanced Production and Industrial Engineering (ICAPIE'19), December, 2019 Organized by 'Delhi Institute of Tool Engineering' (DITE) Delhi presented research article on "Evolution of Different Processes in the Industrial Sector."
- [2] 1st International Conference on Energy, Materials Sciences and Mechanical Engineering (EMSME-2020) October 30-November 01, 2020 Organized by NIT, Delhi presented research article entitled "Study on the Wear Performance of AA 6061 and AA 6082 based Metal Matrix Composites."
- [3] International Conference of Novel Engineering Materials for Biomedical, Energy, Environment, Sensing and Other Applications -2021 (ICON-BEES-'21'), held at NIT,

Trichirappalli is during 11-13 March 2021 and presented paper on entitled “A Comprehension Review of Dry Sliding Wear on Aluminum Matrix Composites”.

- [4] 3rd National e- Conference on Recent Development in Automobile and Mechanical Engineering (RDAME-‘21’) held at, Easwari Engineering College, Chennai on 31-03-2021, participated and presented technical paper entitled “ A Critical Review on the Fabrication of Aluminum Matrix Composites using Stir Casting Route”.

FDP & SHORT TERM COURSES:

- [1] Faculty Development Programme on “Emerging Trends in Electromechanical System, and Renewable Energy Organized by Department of Mechanical March-14th March, 2021.
- [2] Short Term Course on “Laser Micro Manufacturing, Surface & Material Processing” Organized by IIT, Indore (15 -17th July 2020).
- [3] Short Term Course on “Industry 4.0 and Smart Manufacturing: Opportunities and Challenges” Organized by NIT, Jalandhar (20-24 July, 2020).
- [4] Short Term Course on “Reliability, Maintainability and Quality Issues in Process Industries” Organized by NIT, Jalandhar (04-08 August, 2020).
- [5] Faculty Development Programme on “Materials Processing and Optimization” Organized by NITTTR, Chandigarh (06-10 July, 2020).
- [6] Faculty Development Programme on “Mechanical Manufacturing and Process Optimization” Organized by NITTTR, Chandigarh (25-29 June, 2020).
- [7] Short Term Course, AICTE sponsored “Recent Advances in Tribology and Surface Engineering” and organized by Saintgits College of Engineering, Kottayam (17-22 August, 2020).
- [8] Short Term Course, TEQIP-III sponsored on “Aspects of Modern Optimization Techniques in Science and Engineering”, held during (17 -21 August, 2020) jointly organized by NIT, Arunachal Pradesh and Government College of Technology Coimbatore, Tamil Nadu.
- [9] Short Term Course on “Tribology for Sustainable Development” held during 20-24 July, 2020 hosted by Shri Mata Vaishno Devi University (SMVDU), Katra, J&K, India.
- [10] Faculty Development Programme on “Mission 10X Wipro, High Teaching Impact” Organized by MBSCET, Jammu, J&K, India.
- [11] Short Term Course on “Entrepreneurship” Organized by Jammu University, (J&K), India.

EXTRACURRICULAR ACTIVITIES:

Research effort:	International Journal Publications: 10⁺ Nos.
Guidance of Master of Technology Thesis:	04 Nos.
Subjects Taught:	<ul style="list-style-type: none"> ❖ Materials Science and Engineering ❖ Thermal Engineering & Manufacturing Technology ❖ Industrial & Advanced Engineering Materials ❖ Automobile Engineering & Internal Combustion Engines. ❖ Engineering Drawing & Total Quality Management ❖ Production Planning and Control & Optimization Techniques
Seminar:	<ul style="list-style-type: none"> ❖ Participated as Co-ordinator & Organizer of National Seminar- Research Oriented in Himachal College of Engineering & Technology, Shahpur, Himachal Pradesh, India
Administrative Experience:	<ul style="list-style-type: none"> ❖ Working as Head, Department of Mechanical Engineering since 16th August, 2013. ❖ Member, Board of Studies, Automobile Engineering Department, Arni University, Himachal Pradesh, March 2014. ❖ Associate Dean, RTT (Research Technology Transfer) in Indus International University, Himachal Pradesh, 2017. ❖ Member, Board of Studies, Mechanical Engineering

	<p>Department in Indus International University, Himachal Pradesh, January, 2018.</p> <p>❖ Additional Charge of Proctor in Arni University, H.P, India.</p>
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PERSONAL DETAILS

Father's Name : S. Bachittar Singh
 Date of Birth : 05.02.1979
 Gender : Male
 Marital Status : Married
 Nationality : Indian
 Language Known : English, Hindi, Punjabi.

Kindly consider my candidature for suitable position in your esteemed organization.

PLACE:

DATE:

(HARTAJ SINGH)