
Curriculum Vitae

Dr. Jagjeet Singh Chatha

Designation: Assistant Professor

Department: Mechanical Engineering,
Punjabi University, Patiala,
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Academic Qualifications

Course	Subject/Topic	Year	University
Ph. D.	Mechanical Engineering/ Friction Welding	2021	RIMT University, Mandi Gobindghar Punjab, India
M. Tech.	Mechanical Engineering	2014	Giani Zail Singh Punjab Technical University, Bathinda, Punjab, India
B. Tech.	Mechanical Engineering	2012	Punjabi University, Patiala, Punjab, India

Teaching Experiences

Designation	Nature of Appointment	Department	Institute/University	Session
Assistant Professor	Full Time/ Permanent	Mechanical Engineering	Punjabi University, Patiala, Punjab, India	November 2015 to present
Lecturer	Semester Based/ Consolidated	Mechanical Engineering	MIMIT College, Malout, Punjab, India	July 2015 to November 2015

Administrative Positions Held

Position Held	Nature of Appointment	Institute/ Department	Level	Duration
Warden (Boys Hostel)	Additional Charge	Dean Student Welfare, Punjabi University	University Level	2017 to present

Area of Research Interests

Welding, Materials, Corrosion, Manufacturing

Subjects Taught

Manufacturing Processes, Manufacturing Technology, Industrial Materials and Metallurgy, Industrial Quality Control, Drug Abuse and Prevention

Faculty Development Courses Attended

S. No.	Course	Conducted By	Title	Duration
1.	Faculty Development Programme	National Institute of Technical Teachers Training and Research, Chandigarh (MHRD, Gov. of India)	Recent Trends in Automobile Technology	One Week
2.	Faculty Development Programme	National Institute of Technical Teachers Training and Research, Chandigarh (MHRD, Gov. of India)	Sustainable Environmental Management	One Week
3.	Faculty Development Programme	National Institute of Technical Teachers Training and Research, Chandigarh (MHRD, Gov. of India)	Green Manufacturing	One Week
4.	Faculty Development Programme	National Institute of Technical Teachers Training and Research, Chandigarh (MHRD, Gov. of India)	Microcontrollers and Embedded Systems	Two Weeks
5.	Faculty Development Programme	National Institute of Technical Teachers Training and Research, Chandigarh (MHRD, Gov. of India)	Embedded Systems through ICT	One Week
6.	Faculty Development Programme	National Institute of Technical Teachers Training and Research, Chandigarh (MHRD, Gov. of India)	Vulnerabilities in Cyberspace and Adopting Security Policies	Two Weeks
7.	Faculty Development Programme	National Institute of Technical Teachers Training and Research, Chandigarh (MHRD, Gov. of India)	Operationalization of NSQF, Community College and other Skill Development Schemes of GOI	One Week
8.	Faculty Development Programme	All India Council for Technical Education (AICTE), New Delhi	Inculcating Universal Human Values in Technical Education	One Week

Extra-Curricular Activities

Activity	Level	Duration
Member of Anti-Ragging Committee	Dean Student Welfare Office, Punjabi University, Patiala	2017 to Present
Member of Library Committee	Dept. of Mechanical Engineering, Punjabi University, Patiala	2016- 2017 Session
Member of Cultural Activities Committee	Dept. of Mechanical Engineering, Punjabi University, Patiala	November 2015- Present
Member of Project Semester Training and Summer Training	Dept. of Mechanical Engineering, Punjabi University, Patiala	November 2015- Present
Member of Fine Art Club	Dept. of Mechanical Engineering, Punjabi University, Patiala	2017- 2018 Session
Coordinator of Drug De-addiction Awareness and Prevention	Dept. of Mechanical Engineering, Punjabi University, Patiala	2018 to Present
Coordinator of Final Examination	Dept. of Mechanical Engineering, Punjabi University, Patiala	December 2019

Published Research Papers

1. Nitesh Verma, Simranjit Singh Sidhu, Jagjeet Singh Chatha, Santosh Bali (2022). To Study The Implementation Of Kaizen In Northern Indian Manufacturing Industries. Recent Advances In Mechanical Engineering (Part Of The Lecture Notes In Mechanical Engineering Book Series), Volume 2021, Pages 465–474, Publisher Springer, Singapore.
https://link.springer.com/chapter/10.1007/978-981-16-9057-0_50
2. Jagjeet Singh Chatha, Prabhsharan Singh Kohli and Amit Handa. "Exploration of Rotary Friction Welding Technique" *Strojnícky Časopis - Journal of Mechanical Engineering* 71, No.2 (2021): 53-60.
<https://doi.org/10.2478/scjme-2021-0017>
3. J. S. Chatha, A. Shahi, & A. Handa, (2021). Stir Welding Parameters Effect on Flat Plates Weld Joints. A Review. *Materials Today: Proceedings*, 43, 158–163.
<https://doi.org/10.1016/j.matpr.2020.11.396>
4. J. S. Chatha, A. Handa And T. S. Bedi, (2020). Strength Analysis of Rotary Friction Welded

Joints of Dissimilar Steel Grades. Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2020.07.090>

5. Ankit Shahi, Jagjeet Singh Chatha, "Bio Fuels As An Alternative: A Short Review", International Journal Of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.8, Issue.3, Pp.2201-2203, March 2020.
<http://www.ijcrt.org/papers/ijcrt2003309.pdf>
6. J. S. Chatha, A. Shahi and A. Handa, (2019). Friction Stir Processing: A Review. International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN: 2349-5162, Vol.6, Issue-5, Page No. 1163-1166.
7. Jagjeet Singh Chatha, Talwinder Singh Bedi, Amit Handa, "Rotary Friction Welding Of Dissimilar Materials", International Journal Of Recent Technology And Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-4, November 2019, Page: 10361-10369.
<https://doi.org/10.35940/ijrte.D7456.118419>
8. Balwinder Singh, Jagjeet Singh Chatha, Pargeet Chauhan, (2019). Evaluation of Mechanical Properties of Friction Welded Stainless Steel Alloy 304 and Aluminium Alloy 6063 Joint. SSRG International Journal of Mechanical Engineering 6(12), 11-14.
<https://doi.org/10.14445/23488360/ijme-v6i12p103>
9. Jagjeet Singh Chatha, Paviter Singh Rai, Rupak Kumar, "A Review On Electro Discharge Machining Processes And Its Effect On Surface Roughness Of Various Machined Components", Manufacturing And Quality Control, Materials Today MMT1001, 2016.
10. Jagjeet Singh Chatha, Paviter Singh Rai, Rupak Kumar, "Analysis of Friction Stir Welded Joints of Similar Metals", Manufacturing and Quality Control, Materials Today MMT1002, 2016.
11. Jagjeet Singh Chatha, Reviews On The Effects Of Friction Stir Welding Parameters On Mechanical Properties Of Dissimilar Metal Weld Joints, IJARSE, 3 (01) (2014).
http://www.ijarse.com/images/fullpdf/1412179257_327ijarse.pdf
12. Jagjeet Singh Chatha, A Review on the Effects of Friction Welding Parameters on Mechanical Properties Of Friction Welded Joints, Ijarse, 3 (01) (2014).
<http://data.conferenceworld.in/ICETSCET-14/108.pdf>