

SURENDER SINGH

Curriculum Vitae

Contact Details

Designation *Assistant Professor*
Gender *Male*
Nationality *Indian*
Address *Department of Mechanical Engineering, J C Bose University of Science and Technology, YMCA, Sector 6, Faridabad, Haryana India 121006*
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Area of Interest

Manufacturing
Strength of Materials
Tool Design
Measurement and Metrology

Key Skills

Modelling Using CATIA and PRO-E
CNC Programming

Education

- 2008 **Master of Technology(Manufacturing System)**, *MMEC, Mullana*, Kurukshetra University, Kurukshetra.
1997 **Bachelor of Technology(Mechanical Engineering)** *REC Kurukshetra(Presently NIT Kurukshetra)*, Kurukshetra University.

Experience

- 20 Years **Teaching**
2/2011 - **Assistant Professor**, *Department of Mechanical Engineering, J C Bose University of Science and Technology, Faridabad.*
7/2010- **Assistant Professor and HOD**, *Department of Mechanical Engineering, SDDIET, Panchkula, Haryana*
2/2011
2/2008- **Assistant Professor and HOD**, *Department of Mechanical Engineering, Shivalik Institute of Engineering and Technology, Ambala, Haryana*
7/2010
2/2005- **Lecturer**, *Department of Mechanical Engineering, SDDIET, Panchkula, Haryana*
2/2008
7/1998- **Lecturer**, *Department of Mechanical Engineering, Government Polytechnic, Sonipat, Haryana*
7/2004

Publications

Surender Singh and Rajan Rajput(2021) "Optimization of plant layout of packaging industry using Witness software" *GIS Science Journal*, Vol.1, issue 8, pp.1596–1604.

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Surender Singh and OP Mishra(2020) "Green initiatives in Supply Chain of Indian Industries" GIS Science Journal,Vol.7, issue 12,pp.1806–1814.

Surender Singh(2020) "Diagnosis of bearing fault in rotary machines using motor current signature analysis: An experimental Study" Compliance Engineering Journal., Vol 11, issue 11,pp. 58–71

Ashok Kumar and Surender Singh(2019) "A Graph Theory approach to evaluate the intensity of barriers in a Powder Metallurgy Process" International Journal of Engineering Sciences Paradigms and Researches, Vol. 48, Special Issue, (TAME-2019, April 4-5, 2019) pp.304-318

M.Tech -Dissertation Guidance

- 2014 Amit Sarswat ,Analysis and Optimization of Cutting parameters for Surface roughness of EN-19 Alloy steel
- 2016 Lokesh Suryavanshi,Effect of Electrical Process Parameters of Electrical Discharge Machine(EDM) on Surface Roughness & Material Removal Rate for Alloy Material(AL6101-T6
- 2017 Vivek Yadav , Effect of Electrical Process Parameters of Electrical Discharge Machine(EDM) on Surface Roughness & Material Removal Rate for EN 8 alloy steel
- 2018 Ashok Kumar,,A Graph Theory Approach to Evaluate the Intensity of barriers in Powder metallurgy.
- 2018 Suraj , Study and analysis of Practices in Lean manufacturing.
- 2021 Rajan Rajput,To Optimization Plant Layout Using Witness Software
- 2022 Harish Tiwari,Modelling and analysis of Kia carnival prestige vehicle wheel rim using CAD/CAE tools

Conferences

Surender Singh, OP Mishra and Krishan Kumar "Sustainable growth of Automobile industry in India" International Conference on Production and Industrial engineering(CPIE-2023) March 10-12, 2023

Surender Singh, OP Mishra and Krishan Kumar "Bibliometric analysis of green manufacturing in Automobile sector" International Conference on Production and Industrial engineering(CPIE-2023) March 10-12, 2023

Surender Singh, OP Mishra and Krishan Kumar "Review of Green Manufacturing System" International Conference on Trends and Advances in Mechanical Engineering (TAME-2021) March 18-19, 2021

Rajan Rajput and Surender Singh "Comparative Analysis of different packaging materials used in food industries" International Conference on Trends and Advances in Mechanical Engineering (TAME-2021) March 18-19, 2021.

Ashish Mishra and Surender Singh "An Investigation of TI Alloy Cutting Rate Under Ultrasonic Vibration Assisted Wire Cut EDM" International Conference on Trends and Advances in Mechanical Engineering (TAME-2021) March 18-19, 2021

Sanjay Kumar, O P Mishra, and Surender Singh "A Review On: Friction Stir Welding" International Conference on Trends and Advances in Mechanical Engineering (TAME-2021) March 18-19, 2021.

SurenderSingh,Vikas kumar and O P Mishra "Review of Bearing Faults and their monitoring techniques in rotary machines, National Conference on Trends and Advances in Mechanical Engineering (TAME-2017) March 16-17, 2017

FDP/STC/WORKSHOP

- 8-12 /7/2024 Science of hapiness,NITTTR Bhpoal,MP
- 7-14 /7/2021 Cardinal role of quality education in developing self- reliant India,Aggarwal college, Ballabhgarh,Online Mode
- 15-19/3/21 Multiple Attribute Decision Making and Its Industrial Applications-III,SVN IT Surat, Online Mode
- 17-22 /8/22 Advances in Manufacturing Technology ,CNC and Robotics, YMCAUST
- 1-5/6/20 Research In Modern Era,JCBUST,YMCA
- 1/1 -1/3/20 Plastic Waste Management,Nptel Online Certification Course
- 18-22/11/20 PDT Program For Senior Faculty Of TEQIP Institute,IIM,Jammu

- 1/7- 31/10/19 Work System Design,Nptel Online Certification Course
- 24-28/6/19 Engineering Research,NITTTR,Bhopal
- 2-6/7/18 Academic Leadership,NITTTR,Bhopal
- 7-20/12/17 Entrepreneurship An Effective Tool To Improve Industry -Institute Interaction,YMCAUST
- 4-8/7/16 Environment, Development And Sustainability,NITTTR,Chandigarh
- 6-10/6/16 Cad Using Unigraphics,NITTTR,Bhopal

Professional Bodies Membership

Life Member of Indian Society of Technical Education (LMISTE)
 Life member of Institute of Engineers,Calcutta (AMIE)
 Life member of The Indian Science Congress Association(ISSCA)

Responsibilities at Universities level

- 9/21-Present **TPO Co-coordinator**, *Department of Mechanical Engineering.*
- 11/16-Present **Feedback Coordinator**,*Department of Mechanical Engineering.*
- 9/19-Present **MECHNEXT Co-coordinator**,*Technical Club.*
- 2021–Present **Coordinator**, *Centre of Excellence,Royal Enfield.*
- 2021-Present **Batch Coordinator**,*B.Tech Mechanical Engineering 2021-25*
- 2019-Present **Member**,*Departmental Purchase Committee*
- 2022-Present **Member**,*Board of Studies(UG),Mechanical Engineering*