



Dr. SIMRANJIT SINGH SIDHU

Name Simranjit Singh Sidhu
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EDUCATION

- **Ph.D.** From University College of Engineering, Punjabi University Patiala in 2022.
- **M.Tech in Mechanical Engg.** From University College of Engineering, Punjabi University Patiala with in 2013.
- **B.Tech. in Mechanical Engg.** From University College of Engineering, Punjabi University Patiala with in 2011.

WORK EXPERIENCE

1. **IITT, Kala Amb, Himachal Pradesh**
Assistant Professor from 1-july-2013 to 30-june-2014.
2. **St. Soldier Institute of Engineering and Technology, Jalandhar**
Worked as an Assistant Professor from June-2015 to Nov-2015.
3. **Department of Mechanical Engineering, Punjabi University, Patiala.**
Working as an Assistant Professor from Nov-2015 till now.

PUBLICATION

International Journals:

1. Sidhu, S. S., Singh, K., & Ahuja, I. S. (2022), "Ranking of implementation dimensions for maintenance practices in Northern Indian SMEs using integrated AHP-TOPSIS approach", *Journal of Small Business & Entrepreneurship*, Vol. 34 No. 2, pp. 175-194. (Taylor and Francis, Publishers)(Scopus, Web of Science)

2. Sidhu, S.S., Singh, K. and Ahuja, I.S. (2022), “Design of an intelligent decision-making system for maintenance practices using fuzzy inference system in northern Indian SMEs”, *Journal of Quality in Maintenance Engineering*, Vol. 28 No. 1, pp. 154-179. **Emerald Insight, (Scopus, Web of Science).**
3. Sidhu, S. S., Singh, K., & Ahuja, I.P.S. (2022). An empirical investigation of maintenance practices for enhancing manufacturing performance in small and medium enterprises of northern India. *Journal of Science and Technology Policy Management*, Vol. 13, No. 1, pp. 132-153. **(Emerald Insight, (Scopus, Web of Science).**
4. Sidhu, S. S., Singh, K., & Ahuja, I.P.S. (2020), “A study on the assessment of maintenance practices on business performance in northern Indian SMEs”, *Int. J. of Process Management and Benchmarking*. **Inderscience Publishers (Accepted) (Scopus).**
5. Sidhu, S. S., Singh, K., & Ahuja, I.P.S. (2022), “The strategic framework of a three-phase implementation model for maintenance practices in Indian small and medium enterprises”, *Int. J. Process Management and Benchmarking*, Vol. X, No. Y, xxx. **Inderscience Publishers (Accepted) (Scopus).**
6. Sidhu, S. S., Singh, K., & Ahuja, I.P.S. (2022), “Performance enhancement of a manufacturing organization by the implementation of maintenance practices: A case study”, *Int. J. of Productivity and Quality Management*, **Inderscience Publishers (Accepted) (Scopus).**
7. Sidhu, S. S., Singh, K., & Ahuja, I.P.S. (2018), “A pilot study on relation between various implementation dimensions and performance parameters of maintenance practices of northern Indian SME’s”, book chapter for **Taylor and Francis. (Accepted).) (Scopus)**
8. Sidhu, S. S., Singh, K., & Ahuja, I.P.S. (2022), “Analysis of the impact of different maintenance practices on business performance of SMEs using structural equation modeling”, *Int. J. of Business Excellence*. **(Communicated) (Scopus, Web of Science)**
9. Sidhu, S. S., Singh, K., & Ahuja, I.P.S. (2020), “An Empirical Examination of Challenges in Successful Implementation of Maintenance Practices in Northern Indian Manufacturing Industries”. *Journal of Quality in Maintenance Engineering*. **(Communicated) (Emerald Insight, (Scopus, Web of Science).**

10. Sidhu, S. S., Singh, K., & Ahuja, I.P.S. (2020), “A SWOT analysis of maintenance practices for enhancing the business performance of Small Scale Industry: A case study,” *Int. J. of Productivity and Quality Management*, **(Communicated) Inderscience Publishers , Scopus).**
11. Ranjit Singh, Chand Deep Singh and **Simranjit Singh Sidhu**, “*Development Of An Automated System For Sustainability Analysis Of Die-Casting Part At The Design Stage*”, International Journal For Multi Disciplinary Engineering And Business Management, Volume-1, Issue-1, December-2013, ISSN 2348 – 2249.
12. **Simranjit Singh Sidhu**, Syedshauzab Abidi and Shiv Pal Singh, “*An Approach Towards Sustainability Analysis of Die-Casting Product*”, *ETEM-2014*, International Journal organized by K.C. College of Engineering & IT, Nawanshahar, From 28th Feb. & 1st March,2014.

Conferences:

13. Sidhu, S.S., K. Singh, and I.P.S. Ahuja (2018), “Manufacturing Performance Enhancement through Various Maintenance Practices in Indian SMEs: A Literature Review”, *Asian Journal of Engineering and Applied Technology*, Vol. 7 No. 2, pp.1 – 7.
14. Sidhu, S. S., Singh, K., & Ahuja, I.P.S. (2020), “Role Of Maintenance Practices In Indian SMEs: A Literature Review”, 1st International Conference On Intelligent Communication And Computational Research (Iciccr-2020), Available At SSRN 3564871.
15. **Simranjit Singh Sidhu**, Shiv Pal Singh, Gagandeep Singh Sodhi “*Twin-Riser System Optimization Using Fem*”, National Conference on “Latest Developments in Materials, Manufacturing and Quality Control” organized by Department of Mechanical Engineering, Giani Zail Singh Punjab Technical University Campus, Bathinda on 19-20th February, 2015.
16. Syedshauzab Abidi, **Simranjit Singh Sidhu**, Manupreet Singh “*Ergonomic Posture And Musculo Skeletal Problems In Architecture Students*”, National Conference on “Latest Developments in Materials, Manufacturing and Quality Control” organized by Department of Mechanical Engineering, Giani Zail Singh Punjab Technical University Campus, Bathinda on 19-20th February, 2015
17. Ranjit Singh, Chand Deep Singh and **Simranjit Singh Sidhu**, “*An Automated System for Determination of Die-Casting Part From its CAD Data*” National Conference, EHST 2014, organized by SGGSWU Fatehgarh Sahib, 17-18 January,2014.

INDUSTRIAL TRAINING

- Six Months Industrial Training at **Mahindra and Mahindra Swaraj Tractors Division Mohali** from Jan-2011 to June-2011.
- Six week Industrial Training at **HMT Limited Tractor Dividsion, Pinjore** from 1-june-2009 to 10-July-2009.

List of Papers/ Courses taught at P.G and U.G Level:

Sr.	Courses	Class
1.	Computer Aided Design	P.G and U.G
2.	Mechatronics	P.G and U.G
3.	Production Planning and Control	U.G
4.	Industrial Engineering	U.G
5.	Non-traditional manufacturing Processes	P.G and U.G