Faculty Name: **Deepika Singh Singraur**

Designation: Assistant Professor

Department: Production Engineering

Educational Qualifications:

1. Ph.D.: Pursuing Ph. D. (Technology) in Mechanical Engineering from Fr. Conceicao Rodrigues College of Engineering, Mumbai University
2. Post-Graduation: M.E.Design Engg.,BITS-Pilani, Goa Campus, 2011
3. Graduation: B.E. Mechanical Engg.,S.G.S.I.T.S., Indore, 2006
   Qualified GATE Examination in the year 2009.

Areas of Interest: Manufacturing Processes, Fluid Mechanics, Theory of Machines.

Technical Experience:

1. Assistant Professor in Production Engineering Department since 2014.
2. Assistant Professor (Adhoc) in Mechanical Engg. Dept. at Sardar Patel College of Engineering, Mumbai from July 2013 to Nov 2013.
3. Worked as Lecturer in Mechanical Engg. Dept. at Sardar Patel College of Engineering, Mumbai from Jan 2013 to June 2013.
4. Worked as Project Assistant in BITS-Pilani, Goa Campus for 3 semesters.
5. Worked as a lecturer in Malwa Institute of Technology, Indore for 2 years.
6. Worked as a lecturer in Truba college of Engg. and Tech. for 6 months.

Publications

Journal Publications

1. Singh S., Deepika,Patil B.T.(2019) Advancements in Design And Fabrication of Conformal Cooling Channels for Improvement in Plastic Injection Molding Process, Industrial Engineering Journal (2019), Volume 12 (5), doi: https://doi.org/10.26488/IEJ.12.5.1171 (UGC Approved Journal as per UGC-Care List)
2. Deepika Singh Singraur, Dr. Bhushan Patil, Review on Performance Enhancement of Plastic Injection Molding using Conformal Cooling Channels, International Journal of Engineering Research and General Science Volume 4, Issue 4, July-August, 2016 ISSN 2091-2730

International Conferences

3. Singh D. S., Patil B. T., Shaikh, V. A., (2020) "Investigation of Cooling Time Reduction of Door Handle for Plastic Injection Molding Using Conformal Cooling Channels", Materials Today: Proceedings. First International Conference on Recent Advances in Materials and Manufacturing ICRAMM, Sept 2019, Belagavi, India.Accepted in materials today proceedings by Elsevier Publications https://doi.org/10.1016/j.matpr.2019.11.316 (In Press)
4. Singraur D.S., Patil B.T., Rampariya Y.T. (2020) Finite Element Analysis of Conformal Cooling for Reduction of Cycle Time to Enhance Performance in Plastic Injection Molding Process. In: Parwani A., Ramkumar P. (eds) Recent Advances in Mechanical Infrastructure. Lecture Notes in Intelligent Transportation and Infrastructure. Springer, Singapore doi:https://doi.org/10.1007/978-981-32-9971-9_26
5. D. S. Singraur , B. T. Patil, Y. Rampariya., (2018) "Advancements in Thermoplastic Injection Molding System with Conformally Cooled Channels" International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, organized by IIIE, Bhubaneshwar in association with SOA, (ICIEIND– 2018)
6. Sharma S., Singraur D. S., Sudhakar D. S.S., "Transient analysis of an injection mound with conformal cooling channels", International Conference on Recent Advances in Mechanical Infrastructure (ICRAM-2019), In: Parwani A., Ramkumar P. (eds) Recent Advances in Mechanical Infrastructure. Lecture Notes in Intelligent Transportation and Infrastructure. Springer, Singapore doi:https://doi.org/10.1007/978-981-32-9971-9_26

National Conferences

7. D. S. Singraur , B. T. Patil, Y. Rampariya., (2018) "Advancements in Design And Fabrication of Conformal Cooling Channels for Improvement in Plastic Injection Molding Process", 3rd National Conference on Industrial Engineering and Technology Management, NCIETM 2018, NITIE

Reviewer

Industrial Engineering Journal by IIIE

STTP/FDP/SEMINAR Attended:

1. Poster presentation at Symposium on "**Recent Trends in Engineering"** at Sardar Patel College of Engineering on 6-7 May 2019.
2. One Week STTP on "**Research Methodology in Engineering & Technology**" organised by Shri Bhagubhai Mafatlal Polytechnic, Vile Parle, Mumbai, 14th -18th May 2018

3. 2-Days Faculty Development Program on "**Computational Fluid Dynamics using Simulations**" organised by Department on Production Engineering, Fr. CRCE, 3rd and 4 th Feb 2017
4. Two Day **Faculty Development Program** on **"Intellectual Property Rights"** from 5th and 6th February 2016 at Fr.Conceicao Rodrigues College of Engineering, Bandra
5. Two Day **Faculty Development Program** on" **Hands-on Training on Computational Fluid Dynamics using Simulations"** on 3rd and 4thFebruary 2017 at Fr.Conceicao Rodrigues College of Engineering, Bandra
6. Two days FDP **on "Hands- on Training on Mechatronic System"** on 19-20 August 2016 at Fr.Conceicao Rodrigues College of Engineering, Bandra
7. Attended ICORD'11, an International Conference on "**Research into Design**" at IISc, Bangalore, 2011

FDPs/ STTPs/ Workshops Organized:

1. 2-Days Faculty Development Program on "Multivariate Statistical Techniques used in Research" organised by Department on Production Engineering, Fr. CRCE, 9th and 10th March 2018
2. 2-Days Faculty Development Program on "Computational Fluid Dynamics using Simulations" organised by Department on Production Engineering, Fr. CRCE, 3rd and 4 th Feb 2017
3. 2-Days Faculty Development Program on "Hands-on Training on Mechatronic Systems" organised by Department on Production Engineering, Fr. CRCE in association with Christiani Sharpline, 19th and 20th August 2016