

CURRICULUM VITAE

Dr. Himanshu Mishra

Designation: Assistant Professor

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Google scholar ID: <https://scholar.google.com/citations?user=K4wmuUQAAAAJ&hl=en>



EDUCATIONAL QUALIFICATIONS:

Course	Branch	Specialization	Institution/Board	Year
Ph.D.	Mechanical	Production	National Institute of Technology.Rourkela ,	2017
M.TECH.	Mechanical	Production	National Institute of Technology.Rourkela	2009
B.E.	Industrial & Production Engineering	NA	Guru Ghasidas Central University Bilaspur (C.G.)	2007

PROFESSIONAL EXPERINCE:

S. No.	Employer	Designation	From	To
1	Institute of Engineering & Rural Technology ,Prayagraj	Assistant Professor	13/10/2021	31/12/2024
2.	Koneru Lakshmaiah Education Foundation (A.P) Deemed to be University	Associate Professor	22/08/2017	9/10/2021
3.	RSR Rungta College of Engineering & Technology, Raipur (C.G.)	Assistant Professor	26-07-2011	17-12-2011
4	Institute of Technology Guru Ghasidas Central University, Bilaspur(C.G.)	Assistant Professor	04-9-2010	16-06-2011
5	Ravi Shankar Institute of Technology & Management , Raipur(C.G.)	Senior Lecturer	13-08-2009	3-09-2010

AREAS OF INTERESTS: Advanced machining process, Metal Cutting and Tool Design, Manufacturing Process, Micro Machining, Theory of Machine, Meta heuristics optimization techniques.

PROFESSIONAL MEMBERSHIPS: 1) Associate member of SAE (Society of Automobile Engineers) India with Membership number- **7170511523**
2) Associate member of The Institution of Engineers, India
(Membership No: **AM1844574**)

PUBLICATION DETAILS

1. Maity, K., **Mishra, H.** ANN modelling and Elitist teaching learning approach for multi-objective optimization of μ -EDM. *J Intell Manuf* **29**, 1599–1616 (2018). <https://doi.org/10.1007/s10845-016-1193-2>
2. Anshuman Kumar, **Himanshu Mishra**, K Vivekananda, KP Maity, Multi-Objective Optimization of Wire Electrical Discharge Machining Process Parameters on Inconel 718, In Materials Today: Proceedings, Volume 4, Issue 2, Part A, 2017, Pages 2137-2146, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2017.02.060>.
3. Atul Bhattad, R. Rahul, **Himanshu Mishra**, Kammuluri Babu Raja, Anshuman Kumar, Optimization of Heat Gain by Air Exchange through the Cold Storage Window, International Journal of Recent Technology and Engineering ISSN: 2277-3878, Volume-8 Issue-5, January 2020
4. R. Rahul, **Himanshu Mishra**, N. Tamiloli, Modeling and Analysis of Zenith Based Passive Solar Tracking Mechanism, International Journal of Recent Technology and Engineering), Volume-8 Issue-6, March 2020
5. K. V. Durga Rajesh, Tanya Buddi & **Himanshu Mishra** (2021) FINITE ELEMENT SIMULATION OF Ti-6Al-4V BILLET ON OPEN DIE FORGING PROCESS UNDER DIFFERENT TEMPERATURES USING DEFORM-3D, Advances in Materials and Processing Technologies, DOI: <https://doi.org/10.1080/2374068X.2021.1939562>
6. Rajesh, K. D., **Mishra, H.**, & Buddi, T. (2021). Finite Element Analysis Of Chromium And Molybdenum Alloyed Steel Billets Forged On Multi Step Process Using Simufact Forming. Advances in Materials and Processing Technologies, 1-15. DOI <https://doi.org/10.1080/2374068X.2021.1939562>
7. K.V. Durga Rajesh, M. Santosh Pavan, R. Venu Gopal, **Himanshu Mishra**, Theoretical analysis on 3D printed lower jaw, Materials Today: Proceedings 2022, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2022.04.917>.
8. Gari Surya Chandra Swamy, **Himanshu Mishra**, Jamaleswara Kumar, Microstructural Evolution and Mechanism of Strengthening in Al-Zn/fly ash/ ZrO₂ Composites Fabricated through a Vortex, The International Journal of Integrated Engineering, 2022 <http://dx.doi.org/10.30880/ijie.2022.14.07.007>
9. K.V. Durga Rajesh, N. Ganesh, S. Yaswanth Kalyan Reddy, **Himanshu Mishra**, Tekkali M.V.P.S Teja Naidu, Experimental research on the mechanical characteristics of fused deposition modelled ABS, PLA and PETG specimens printed in 3D, Materials Today: Proceedings, 2023, <https://doi.org/10.1016/j.matpr.2023.06.343>
10. Mishra H, Modi YK, Tiwari SK, Maity K. Experimental investigation of micro-EDM hole drilling on Inconel-718 for predicting surface quality characteristics. Journal of Micro manufacturing. 2025;0(0). [doi:10.1177/25165984251328100](https://doi.org/10.1177/25165984251328100)

CONFERENCE PUBLICATION

K. P. Maity and **Himanshu Mishra**, 2012. “Optimization of Micro-EDM operation for fabrication of micro-holes using ANN”. Proceedings 25th AIMTDR 2012 and 4th International Conf. Jadavpur University.

NATIONAL JOURNAL

K. P. Maity and **Himanshu Mishra**, 2013. “Optimization of Micro-EDM operation for fabrication of micro-holes using ANN”. Journal of the Association of Engineers, India, Vol. 83, No. 3 & 4, pp.71-80.

WORKSHOPS ATTENDED:

- One week Short term training program on Advanced Engineering Optimization through Intelligent Techniques held at SVNIT, Surat (Gujrat) from 14to 18May 2012.)

PATENTS/IPR FILED

1. Drone for Windows Glass cleaning Application no-337037-001.

Status: Design Accepted and Published, Journal No is 40/2021 and Journal Date is 01/10/2021

Url for status verification: <https://ipindiaservices.gov.in/DesignApplicationStatus>

2. Wireless Operated Air-Conditioned Wheel Chair Application no-338039-001.

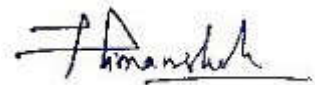
Status: Design Accepted and Published, Journal No is 44/2021 and Journal Date is 29/10/2021

Url for status verification: <https://ipindiaservices.gov.in/DesignApplicationStatus>

3. An Adaptive Smart Material for Enhanced Energy Efficiency and Mechanical Performance in Dynamic Systems. **Status : Published Date of Publication : 4/10/2024 Application no : 202431072284 Journal no : 40/2024**

4. A Machine Learning-Driven Process for Automation in Adaptive and Immersive Virtual Reality Environments **Status : Published Date of Publication:29/11/2024 Application no : 202431091326 A Journal no : 48/2024**

Computing Skills : : Knowledge of software packages like MATLAB, DEFORM ANSYS MINITAB, DESIGN EXPERT, SIMUFACT WELDING, FLOW 3D



Signature