




JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Mechanical Engineering.



FACULTY PROFILE

Department: Mechanical Engineering

1. Personal Details

NAME	MOHIT VISHNOI	
DEPARTMENT	MECHANICAL ENGINEERING	
DESIGNATION	ASSISTANT PROFESSOR-2	
PHONE	8860328153	
EMAIL ID	vishnoi.mohit06@gmail.com	
Date of Joining (JSSATEN)	01-08-2013	

2. Experience

Total Experience in Years: 9	Teaching: 9	Industry: - Nil	Research: - Nil
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Tech	Mechanical Engg.	2010	G. L. Bajaj Institute of Technology, Greater Noida	U. P. Technical University, Lucknow
M.Tech.	Materials Science & Engg.	2013	NIT Trichy, Tamilnadu	NIT Trichy, Tamilnadu
Ph.D.	Mechanical Engg.	Pursuing	Delhi Technological University, Delhi	Delhi Technological University, Delhi

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 05	National: 01
Papers Published in SCOPUS indexed Journals	International: 11	National: 00
Papers Published in other Journals	International: 00	National: 00
Papers Presented in Conferences / Symposium	International: 00	National: 01
Books / Book chapters Published	01	

5. Research Guidance

PhD Guide? Give field & University	No	University:-
PhDs / Projects Guided	Ph.D. Awarded: Guiding: NIL	Projects at Master's Level: - Nil Projects at Bachelor's Level:

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	-	-

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

7. Awards Received

Awards “Best Paper Award”	Commendable Research Award (Cash value of Rs. 50,000/- along with the certificate of merit) for his excellence in Research on March 3, 2022 , at Delhi Technological University, Delhi.-
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8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1.	Role of sacrificing layer on glasses during ultrasonic machining (USM)-a review	Shardul Rai, Siddharth Srivastava, Mohit Vishnoi , TG Mamatha	Materials Today: Proceedings	2022	Scopus	1.24	Elsevier
2.	An insight on Powder Mixed Electric Discharge Machining: A state of the art review	Siddharth Srivastava, Mohit Vishnoi , Mamatha Theetha Gangadhar, Vikas Kukshal	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	2022/7/19	WOS/ Scopus	2.759	Sage
3.	Micro-channel fabrication on silicon wafer (100) using Rotary Ultrasonic Machining	T. G. Mamatha, Mohit Vishnoi , Siddharth Srivastava, Vansh Malik, Mudit K. Bhatnagar	Silicon	2022	WOS/ Scopus	2.67	Springer
4.	Different methods of ferro-fluids production with their stability and its applications especially in internal combustion engines-a review	Mudit K Bhatnagar, Mohit Vishnoi	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2021	WOS/ Scopus	3.447	Taylor & Francis

5.	Surface Texturing Techniques to Enhance Tribological Performance: A Review	Mohit Vishnoi , Paras Kumar, Qasim Murtaza	Surfaces and Interfaces	2021	WOS/Scopus	6.137	Elsevier
6.	A Comprehensive Review of Ultrasonic Machining: A Tool for Machining Brittle Materials	TG Mamatha, Mudit K Bhatnagar, Vansh Malik, Siddharth Srivastava, Mohit Vishnoi	Advanced Materials and Manufacturing Processes	2021	Scopus	-	CRC Press
7.	Study on Tribological Behavior of HVOF Developed Coatings Especially for Hydroturbine Runner Application—A Concise Review	Adheesh Tripathi, Aman Pandey, Aakash Rathore, Abhishek Singh, Mohit Vishnoi	Advances in Fluid and Thermal Engineering	2021	Scopus	-	Springer, Singapore
8.	The Coatings Developed by Thermal Spraying Technique for Hydroturbine Applications—A Brief Review	Purusharth Bhati, Vishal Shrama, Raghav Jha, Sujeet Gupta, Mohit Vishnoi , TG Mamatha	Advances in Fluid and Thermal Engineering	2021	Scopus	-	Springer, Singapore
9.	Comparative study and analysis between Solid Oxide Fuel Cells (SOFC) and Proton Exchange Membrane (PEM) fuel cell—A review	Vansh Malik, Siddharth Srivastava, Mudit K Bhatnagar, Mohit Vishnoi	Materials Today: Proceedings	2021	Scopus	1.24	Elsevier

10.	Investigation of Tensile and Flexural Properties of Epoxy-Based Reinforced with Sugarcane Trash and Kevlar Pulp Filler Hybrid Polymer Composite	Mohit Vishnoi , AN Veerendra Kumar, Neeraj Verma, TG Mamatha	Advances in Engineering Design	2021	Scopus	-	Springer, Singapore
11.	Study on effects of quantum dots in optoelectronics and hydrogen evolution: A review	Siddharth Srivastava, Vansh Malik, Mohit Vishnoi	Materials Today: Proceedings	2021	Scopus	1.24	Elsevier
12.	A novel review on shape memory alloy and their applications in extraterrestrial roving missions	Vansh Malik, Siddharth Srivastava, Shashwat Gupta, Vidit Sharma, Mohit Vishnoi , TG Mamatha	Materials Today: Proceedings	2021	Scopus	1.24	Elsevier
13.	Effect of rare earth elements on coatings developed by thermal spraying processes (TSP)– A brief review	Mohit Vishnoi , Qasim Murtaza, Paras Kumar	Materials Today: Proceedings	2021	Scopus	1.24	Elsevier
14.	Efficiency enhancement of heat exchanger using inserts and nano-fluid-A review	Mudit K Bhatnagar, Mayank Rai, Muneeb Ashraf, Om Kapoor, TG Mamatha, Mohit Vishnoi	Materials Today: Proceedings	2021	Scopus	1.24	Elsevier
15.	A Review on Coating for Hydro-turbine Application by HVOF Process	Mohit Vishnoi , Paras Kumar, Qasim Murtaza	Advances in Materials Engineering and Manufacturing Processes	2020	Scopus	-	Springer, Singapore

16.	Analysis of Plastic Deformation of Al 6063, Magnesium AZ91C and commercially used Titanium Alloy using ECAP	Mohit Vishnoi , S.Senthil Murugan, A.N.Veerendra Kumar, T.G.Mamatha	Materials Today: Proceedings	25 Part 4, 2020	Scopus	1.24	Elsevier
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ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Optimization of Turning Parameter for Roundness Investigation using V-block Method	S Raghu, TG Mamatha, M Vishnoi , G Moona, R Sharma	Indian Journal of Advances in Chemical Science	2019	-	-	KROS Publication
2	Parameter optimization of micro ECDM process of borosilicate glass	Mohit Vishnoi , AN Veerendra Kumar, S Senthil Murugan	Environmental and Earth Sciences Research Journal	2019	-	-	IIETA
3	Characterization of hydrophobic coating developed by micro arc oxidation on AA2014 alloy	Mohit Vishnoi , V Muthupand i, S Senthil Murugan	Indian Journal of Engineering and Materials Sciences (IJEMS)	2017	WOS	0.8	NISCAIR -CSIR, India

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Computational analysis of self designed rover wheels for lunar excavation	Vansh Malik, Siddharth Srivastava, Mudit K. Bhatnagar, Mohit Vishnoi , Mamatha T.G and Vikas Kukshal	Second International Conference of Robotics, Intelligent Automation and Control Technologies (RIACT-2021)- Vellore Institute of Technology, Chennai	2021	-	-	Conference Proceedings

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	“Computational Fluid Dynamics for Heat and Fluid Flow Applications”	Raj Kumar Goel institute of Technology	22nd to 26th February 2021
2	Advances in Manufacturing (AIM-2021)	BIT Sindri, Dhanbad	15th – 19th June 2021
3	Research Manuscript Drafting and Publishing	Eudoxia Research Centre, India	6-July to 6 August 2020
4	Coatings & Surface Engineering: Addressing the Need of Industry	Society of Materials and Mechanical Engineers (SOMME)	10 th to 16 th June 2020
5	New approaches in Mechanical Engineering	JSS Academy of Technical Education Noida (UP)	29 th June to 1 st July 2020
6	Scanning Electron Microscopy and X-ray Diffractometer	Department of Materials and Mechanical Engineering. Indus University	25 th to 29 th May 2020
7	Machine Learning and its applications	Electronics and ICT academy, IIT Roorkee	05-May to 14 May 2020
8	Mathematical Modelling and Analysis of Basic Engineering Problems using FEM with Hands-on Hypermesh	Malaviya National Institute of Technology Jaipur.	16-12-2019 to 20-12-2019
9	Characterization and simulation of advanced materials	Malaviya National Institute of Technology Jaipur.	21 st to 25-September-2019
10	Faculty Research Programme under Continuing Education programme-2016	Indian Institute of Technology Delhi	May 18, 2016 to July 15, 2016

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
-	-	-	-	-

vi. Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
1.	"Advance IDEA Lab FDP on Smart Manufacturing"	Ajay Kumar Garg Engineering College	01/12/2021 to 07/12/2021

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Properties of Materials	IIT Kanpur	Feb-April 2020-	87%

10. Membership of Professional Bodies:

1. Life Membership of Society of Materials and Mechanical Engineers (SOMME) LM-10059.

11. Any other information you will like to share about your professional experience

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Faculty Name: **Mohit Vishnoi**
Designation: **Assistant Professor**
JSS Academy of Technical Education, Noida