

DEPARTMENT OF MECHANICAL ENGINEERING

STAFF PROFILE INFORMATION

	Name of Staff:-	Dr. Vinod Vasantrao Vanmore
	Designation: -	Assistant Professor
	Qualification:-	B.E.(Mech.), M.E.(Prod.), Ph.D.(Mech.)
	Area of Specialization:-	Micromachining, Non Conventional Machining, fluidics, optimization Technique, control valve
	Experience:	14 Years(Teaching) 2 Years (Industrial)
	email id:-	vinod.vanmore@seti.edu.in vinodvanmore@gmail.com
	Contact Number:-	+918668401052 /+ 917798366906

➤ RESEARCH PUBLICATIONS:

RESEARCH CITATIONS

Google Scholar Citations: **16**, H-Index: **2**, i-10 index: **1**

PUBLICATION SUMMARY

Patent Filed	International Journals	National Journals	International Conferences	National Conferences	Book Chapters	Editor Conf. Proceedings	Total
01	05	01	02	02	01	01	13

PATENTS

Title: Micro Abrasive Jet Machine

PATENT INFORMATION

Application ID	386859-001
Invention Field	Design
Date of Publication	20/10/2023
Cbr Number:	206438
Type	Published
Role	Applicant
https://search.ipindia.gov.in/DesignApplicationStatus/	

RESEARCH PUBLICATIONS: INTERNATIONAL JOURNAL

Sr. No	TITLE	JOURNAL	VOLUME	ISSN
1.	Multi-Criteria Optimization of Micro Hole on Glass Using Developed μ -Abrasive Jet Machine set up	(SAGE) Journal of Micromanufacturing	Vol.11, special Issue, Sept.- 2022 , Pages 1-9	ISSN: 2516- 5984
2	Analysis of CR4 Metal forming by deep drawing force	International Journal of Scientific Research in Engineering and Management.	Vol. 05 Issue: 09 Sept - 2021 Pages 1-9	ISSN: 2582- 3930
3	Development of Laval Nozzle for Micro Abrasive Jet Machining [MAJM] Processes	Procedia Manufacturing, (Science Citation Index Expanded - Elsevier).(IF1.5)	Vol. 20: Pages 181–186. 2018	ISSN: 2351- 9789
4	Experimental and Parametric Optimization of Micro Holes on ANSI 304 Using Micro Abrasive Jet Machining (MAJM)	Procedia Computer Science,(Science Citation Index Expanded - Elsevier).(IF1.6)	Vol. 133, Pages 620–626 2018	ISSN: 1877- 0509
5	Some Experimental Study of Hen Quills Composite Material	International Journal of Engineering Research and Technology.	Vol. 10, Issue: 01, 2017 Pages 787-790	ISSN: 0974- 3154

PUBLICATIONS as EDITOR: - INTERNATIONAL CONFERENCE PROCEEDINGS

Sr. No	TITLE	JOURNAL / CONFERENCE	VOLUME	ISSN
1.	Advances in Engineering and Nanotechnology IJNT (Inderscience) Indexed by Scopus	3rd International e-Conference on Frontiers in Mechanical Engineering and nanotechnology [ICFMET]	27–28 November, 2020 organized by SETI , Panhala & YPSC Solunkur during 27–28 November 2020.	ISSN (Online) 1741-8151, ISSN (Print) 1475-7435.

PAPER PUBLICATIONS: - INTERNATIONAL CONFERENCE

Sr. No	TITLE	CONFERENCE	VOLUME	ISSN
1.	Development of fluidized mixing chamber to optimize process parameters for Micro Abrasive Jet Machining (MAJM) Sardar Vallabhbhai National Institute of Technology, SVNIT Surat, (Gujarat) India	1st International conference on Recent advancement in design and manufacturing (ICRADM 2020)	Vol. 25 (2020)	ISBN: 978-0-7354-4495-9 ISSN: 0094-243X,
2	Fiber Reinforced Concrete Using Metal Shaving Ujjain Engineering College Ujjain (M.P.), India. Oct4-6, 2007	Int. Conf. on Recent Trends in Mechanical Engineering (ICRTME-2007)	Vol.1, 115-117.	Proceeding of International Conference

PAPER PUBLICATIONS: NATIONAL JOURNAL

Sr. No	TITLE	JOURNAL	VOLUME	ISSN
--------	-------	---------	--------	------

1.	Experimental investigation and parametric optimization of micro holes on Inconel 718 using developed μ -AJM set-up	Manufacturing Technology Today	Vol.18, Issue 12: Page No.35-42.	ISSN No. 0972 7396 UGC No. 3830
----	--	---------------------------------------	----------------------------------	------------------------------------

PAPER PUBLICATIONS: NATIONAL CONFERENCE

Sr. No	TITLE	JOURNAL / CONFERENCE	VOLUME	ISSN
1.	Power Generation from Bicycle with CC/CV Controlled Charge System	National Conference on Recent Practices in conventional & Non-conventional Energy Recourses [RPCNeR-2013]	Sanjay Ghodawat Group of Institutes.Kolhapur, (Maharashtra) Feb.8-9, 2013.	---
2	Design and development of hydraulic ram pump	National Proceeding of National Conference on Recent advancement in engineering [NCRAE-12]	Sanjeevan Engineering and Technology Institution, Panhala, Kolhapur, (Maharashtra) India.	ISBN: 978-93-82062.Vol 4,334-337

➤ Book Published

Book Chapters:

S. No.	Title of Book	Year	Name of Publisher	ISBN
1	Advances in Engineering and Nanotechnology ISSN (Online) 1741-8151, ISSN (Print) 1475-7435.	2016	Inderscience	https://www.inderscience.com/info/inarticleto c.php?jcode=ijnt&year=2021&vol=18&issue=11/12
2	Machining of titanium alloys by using micro abrasive jet machine: an experimental investigation	2024	T & F CRC Press	" Recent Advances in Material, Manufacturing, and Machine Learning, edited by Rajiv Gupta, Devendra Deshmukh, Awanikumar P. Patil, Naveen Kumar Shrivastava, Jayant Giri, R.B. Chadge, (Under Publication)

➤ **Research Contributions:**

Research Grants: (Details of grants received)

S. No.	Funding Agency	Year	Title of the project	Amount in Rs.
Nil				

➤ **Research IDs:**

1	Google scholar ID	https://scholar.google.com/citations?user=z1zSVmEAAAAJ&hl=en&oi=ao
2	Researcher ID	https://ResearchID.co/rid41626
3	ORCID ID	https://orcid.org/0000-0002-7190-4221
4	ScopusAuthorID:	57200821044
5	AICTE Faculty ID	1-459185777

➤ **Educational Qualification**

Sr. No.	Degree	University/ College/School	Percentage / Score	Class
1	Ph.D.	Shivaji University, Kolhapur MH (Walchand College of Engineering Sangli)	Awarded on 30 Nov.2022	
2	M.E. (Mech.-Prod.)	Shivaji University, Kolhapur MH (Walchand College of Engineering Sangli)	64.11	First class
3	GATE 2006	MHRD	68.55 (246)	
4	B.E. (Mech.)	Shivaji University, Kolhapur MH (Rajarambapu Institute of Technology Rajaramnagar)	63.33	First class
5	H.S.C.	CBSE (Jawahar Navodaya Vidyalaya Palus Sangli MH)	63	First class
6	S.S.C.	CBSE (Jawahar Navodaya Vidyalaya Palus Sangli MH)	57	Second class

➤ **Industrial Experience**

Name of Organization	Designation	From	To	Total
Dembla Valves Ltd. Thane Mumbai	Application Engineer	21 August 2008	14 August 2010	02 Years

➤ **Reviewer of**

- International Journal of Nanotechnology (Inderscience)
- Multidiscipline Modeling in Materials and Structures (Emerald)

➤ **Number of M. Tech guiding:**

Sr.	Details of Student	University	Title
1.	Mr. Avadhut S. Patil M.Tech defended on 21-09-2021	Dr.Babasaheb Ambedkar Technological University lonere MH	Design methodology to compute required deep drawing punch force

➤ **Member of Professional Bodies:**

- ISTE –Life member No. LM 84679, Start Year 2012
- ASME Graduate student member 9024043, Start Year 2005

➤ **Achievements**

- Qualified GATE-2006

➤ **Details of Faculty Development Programs (Workshop/Conference/Training Program)**

➤ **SWAYAM online course certificate:**

Roll No.	Title	Duration	Exam Date	Score
MR14010003	“Introduction to intellectual Property”	12 week course (Jan-May 2023)	Nov.2023	63.8

➤ **No. of Two Week FDP Attended at IITs/ University's/ Colleges**

Sr. No.	Title	Duration	Place
01	Two week ISTE workshop on, 'Solar Photovoltaics': Fundamental, Technology And Applications.'	12 th to 22 th Dec.2011	RIT Sakhrale With MHRD & MNRE
02	Two week AICTE sponsored FDP on 'Recent Trends in Manufacturing Technology'	12 th to 22 th June 2013	WCE, Sangli
03	TEQIP-III sponsored Two Week Faculty Development Programme on "Digital Design and Emerging Trends in Signal Processing"	10 th to 22 nd , August 2020	Government Engineering College Bikaner Rajasthan
04	Two week interdisciplinary refresher course on "Research Methodology and data Analysis"	21 st Feb. to 5 th March 2022	TLC Ramanujan college university of Delhi
05	NEP 2020 orientation and sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grant commission(UGC)	1 st April 2024 to 15 th April 2024	MMTTP center Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

➤ **No. of QIP One Week FDP Attended at IITs/ University's**

Sr. No.	Title	Duration	Place
01	QIP Short term course on 'Advanced Engine Combustion And Diagnostics'	23 th to 28 th June 2011	IIT Kanpur
02	QIP Short term course on 'Innovation In Maintenance Management'	21 th to 25 th May 2012	IIT Delhi
03	QIP Short term course on 'Micromanufacturing'	29 th June to 3 rd July 2015	IIT Kanpur
04	QIP Short term course on 'Recent Development In Plant Maintenance and Condition Monitoring of Machinery' (RDPMCMM)	10 th to 15 th April 2017	VSSUT Burla.
05	QIP Short term course on Intellectual Property Management of Academics And Research Institute (IPMART 2019)	4 th to 10 th March 2019	IIT Kharagpur
06	CE&QIP course (online) Inter-disciplinary Aspects in modeling of manufacturing processes	21 st to 25 th Nov 2020	IIT Bombay and BATU Lonere

07	QIP Short Term Course (online) on "Multiscale Modeling and Simulation Techniques for 3D Printing"	8 th to 13 th March 2021	IIT Kanpur
08	QIP Short Term Course (online) on "Mechanical Behaviour of Materials"	15 th to 20 th March 2021.	IIT Kanpur

➤ **No. of ATAL Training and Learning (ATAL) Academy's One Week FDP Attended**

Sr. No.	Title	Duration	Place
01	AICTE Training And Learning (ATAL) Academy Online FDP on "Micro-electromechanical Systems"	23 rd to 27 th Nov. 2020	Sardar Patel College of engineering Mumbai.
02	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Emerging Technologies in Product Design & Development"	14 th to 18 th June 2021	Government College Of Engineering Chandrapur, MH
03	AICTE Training And Learning (ATAL) Academy Online FDP on "3D Printing & Design for Innovative Medical Devices"	28 st June to 2 th July 2021	Malaviya National Institute of Technology Jaipur.
04	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Manufacturing: Hindsight To Foresight"	16 th to 20 th July 2021	Birla Institute of Technology and Science, Pilani (BITS Pilani).
05	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "MEMS Technology & Microsensors"	26 th to 30 th July 2021	National Institute of Technology Meghalaya.

➤ **No. of NITTTR One Week FDP Attended**

Sr. No.	Title	Duration	Place
01	Faculty Development Programme on 'Internet of Things'	15 th to 19 th April 2020	NITTTR Chandhighad
02	Faculty Development Programme on 'Computer Aided Design and Manufacturing (CAD/CAM)'	27 th April to 1 st May 2020	NITTTR Chandhighad

➤ **No. of AICTE and ISTE sponsored One Week FDP Attended**

Sr. No.	Title	Duration	Place
01	Short Term course on ‘Research in Production And Industrial Engineering’	10 th to 14 th Dec.2012	WCE, Sangli
02	Short Term Training Program(STTP) on ‘Recent Trends In Manufacturing Technology’	2 nd to 6 th Jan. 2017	SETI Panhala
03	Short Term course on ‘Modeling and simulation of structural and fluid flow problems’	8 th to 12 th July 2019	WCE, Sangli
04	Short Term course (online) on ‘Nearly Zero Energy Building(nZEB)’	10 th to 14 th August 2020	SIT COE Yadrav
05	Short-Term Training Program(online) on “Industry 4.0 & condition monitoring”	15 th to 19 th March 2021	VJTI Mumbai and Eng. college Ajmer
06	ISTE sponsored (online) ‘Advances in Manufacturing and Materials’	20 th to 24 th April 2021	DYP COE&T Kolhapur
07	Faculty Development Programme (FDP)(online) on “Innovations in Additive Manufacturing”	13 th to 17 th Sept. 2021	BVCoEL, Pune (MS)
08	AICTE sponsored One Week Online Short Term Training Program (STTP)"MACHINE LEARNING”	24 th to 29 th January, 2022	Dr. J. J. Magdum College of Engineering, Jaysingpur, Maharashtra
09	ISTE approved One Week Faculty Development Programme online “Simulation Tools for Research”	08 th to 14 th Feb. 2022	SIT, College of Engineering, Yadrav, Ichalkaranji.

➤ **Syllabus Related Workshop Attended**

Sr.No.	Title	Duration	Hosted by
1	Teaching Methodology for TE/BE Mechanical Production Engineering subjects of Shivaji University Kolhapur	30 th Jan.2015	DKTE Ichalkaranji
2	One day workshop on syllabus finalization of T.E. Mechanical Engineering	31 th July 2015	DKTE Ichalkaranji

EXPERT TALKS DELIVERED

1. Expert Lecture on Micro Abrasive Jet machining of the course Manufacturing Processes-II on 15th April 2024 at Walchand College of Engineering Sangli MH.

OTHER HONOURARY WORK

1. **Session Chair** for a Technical Session of the Third International Conference on Recent Advances in Materials and Manufacturing ICRAMM, 25-26 Nov 2021 at D. Y.Patil College of Engineering And Technology, Kolhapur.

SETI Panhala