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1. Name and full correspondence address:

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Mb.9890634535

3. Institution: Pravara Rural Engineering college, Loni

Tal: Rahata, Dist: Ahmednagar State: Maharastra

4. Date of Birth: 02/06/1977

5. Gender (M/F/T): Male

6. Category Gen/SC/ST/OBC: Gen

7. Whether differently abled (Yes/No): No

8. Academic Qualification (Undergraduate Onwards)

Degree	Year	Subject	University/ Board	Class
Ph. D(Mech)	March 2013	Mechanical	NIT Warangal	--
M.E.(Design)	2004	Mechanical	Pune	First
B.E.(Mech)	1999	Mechanical	Pune	First
H.S.C.	1995	science	Pune	First
S.S.C.	1993	Science	Pune	Dist.

9. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.

- **Thesis Title:** "Identification and Loss Optimization in Radial Magnetic Bearing using Genetic Algorithm"
- **Name of guide:** Dr R.V.Chalam
- **Institute:** National institute of Technology,Warangal(AP)
- **Date of PhD award:** 31st March 2013

10. Number of students project guided: (working as Approved PhD guide under SPPU Pune)

- No of BE students guided:160
- No of ME students guided:26
- No of PhD students guiding: 04

11. Work experience (in chronological order).

Sr. No	Name Of Institute	Designation	Experience	Nature of Appointment
1	Gov. Poly. Jalgaon	Head, Applied Mechanics	Wef 2/4/2023 to till date	Gov.of Maharashtra (MPSC)
1.	Pravara Rural Engineering College Loni	Professor Mechanical & Head, (Add.charge) Automation and Robotics	wef 12/10/2021 to 2/4/2023	Yes(Academic) SPPU Pune
2	Pravara's Sir Visvesvaraya Institute of Technology Nashik	Professor & Head in Mechanical Engg Dept	w.e.f.5/7/2018 to 11/10/2021	Yes(Academic) SPPU Pune
		Principal	Wef 1/7/17	Yes(Permanent) SPPU Pune
3.	R.H.Sapat COE,Nashik	Associate Professor & Head(PG)	16/7/2015 to 30/6/2017	Yes(Permanent) SPPU Pune
4.	Pravara's Sir Visvesvaraya Institute of Technology Nashik	Vice Principal	W.e.f. 8/7/2013 to 31/3/2015	--
		PG teacher in Mechanical Engg.Dept.	W.e.f. 3/2/2012 to 15/7/2015	Yes, SPPU Pune
		Associate Professor & HOD,Mech.Engg.Dept.	W.e.f. 1/4/2012 to 15/7/2015	Yes, SPPU Pune
		Asst.Professor & HOD, Mech.Engg.Dept.	W.e.f. 1/10/2005 To 30/3/2012	Yes(Permanent) SPPU Pune
		Lecturer in Mech.Engg.Dept.	W.e.f. 6/3/2000 To 30/9/2005	Yes(Academic) SPPU Pune

12.Subject Taught: (U.G.level):

Basic Mechanical Engineering, Fluid mechanics, Heat transfer, Machine Design II, Tribology, Dynamics of Machinery, Mechanical System Design.

(P.G.level):

Advanced stress Analysis, Advanced Mechanical Vibration, Optimization Techniques.

13. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received

Sr.No	Name of award	Awarding Agency	Year
1	Dr APJ Abdul Kalam excellent Teacher award(National)	Jointly organized by AICTE and Shikshak Kalyan Foundation	2021
2	Maulana Abul Azad Excellence Award in Education-2020(National)	Shikashak Kalyan Foundation,UP	2020
3	Innovative Researcher(Mechanical Engg) & Dedicated Best Academician	ISME & University Technology Mara, Malaysia	2018

	Award”(International level)		
4	Education Leadership Award(National)	Business school affairs & Dewang Mehata Inst,Mumbai	2018
5	PhD guide Recognition	SPPU Pune	2016
6	Associate Editor	International Journal of Advanced Engineering Research and Applications (IJA-ERA) ISSN: 2454-2377.	2016
7	Worked as Evaluator for Smart India Hakathon(National level project competition) organized by.	AICTE and Innovation cell, Ministry of Education, India	2021& 2022
8	Worked as evaluator for research project submitted to funding agency	Rajiv Gandhi science and Technology commission,Mumbai	2021
9	Fellow membership	ISME	2018
10	Fellow membership	SIESRP	2021
11	Fellow membership	ISRDP	2009
12	Life member	ISTE	2008
13	Senior Member	HKSME	2015

14. Publications (List of papers published in *Scopus indexed Journals*, in year wise descending order).

Sr	Author	Title	Journal	volume	Page	Year
1	Dr Santosh shelke	Loss Analysis of Radial Magnetic Bearing Using Genetic Algorithm and Gradient Based Method	Materials Today, Elsevier	69(2)	1-4	2022
2	Dr Shelke & Shirke	Performance evaluation of Mechanical properties of untreated woven natural and synthetic fibers hybrid epoxy composites	Materials Today, Elsevier	69(2)	1-5	2022
3	Dr Shelke and Kabudke	Performance, combustion and emission characteristics of VCR engine using biodiesel with nano-additives	Journal of East China University of Science and Technology.	65(4)	181-189	2022
4	Dr Shelke & Shirke	Investigation on Mechanical properties of Regular and engineered fibre builtup polymer composites	Material science Forum, Netherlands	1073	57-66	2022
5	Dr Santosh shelke	Controllability of Radial Magnetic Bearing	Procedia Technology, Elsevier	(23)	106-113	2016
6	Dr Santosh	Total loss optimization in	Journal of	230(6)	621-633	2015

	shelke	varying pole pair radial magnetic bearing using theoretical and genetic algorithm approach	Engineering Tribology, Sage, UK			
7	Akshay shinde, Dr.S.N. Shelke,	A review on dynamic analysis of Pelton wheel Turbine,	International journal of Innovative science, Engineering & Technology	3(6)	1-4	2016
8	Dr. Shelke, F.Pathan	Design of cold rolling mill components	International Journal of Innovative Technology and Exploring Engineering	03(10),	9-13	2014
9	Santosh Shelke, Dr.Chalam	Optimum power loss in electromagnetic bearing	IEEE	3	374-379	2011
10	Santosh Shelke, Dr.Chalam	Optimum Power loss analysis of Radial Magnetic bearing: Multi-objective Genetic Algorithm,	Springer digital library	2	59-63	2011
11	Santosh Shelke, Dr.Chalam	Optimum Power Loss Analysis of Radial Magnetic bearing using Genetic Algorithm	International Journal of Computer Applications, USA	27(6)	20-27	2011

15. Detail of patents.

Sr	Patent title	Name of applicant	Patent number	Award date	Agency/ country	status
1	METHOD TO ANALYZE THE OPTIMUM POLE ANGLE FOR REDUCING WEIGHT A COPPER LOSS OF RADIAL MAGNETIC BEARING	Dr Santosh Shelke	FI6COO2o4 0000	9/7/2021	India	Published
2	Fibre reinforced polymer matrix composite clutch plate	Dr Santosh Shelke & Mr Shirke			India	Applied for Patent

16. Other Achievements:

<p>Journal Reviewer/ Board member:</p>	<p><u>Working as Associate Editor:</u> International Journal of Advanced Engineering Research and Applications (IJA-ERA)ISSN:2454-2377.</p> <p><u>Working as a reviewer::</u> [1] Industrial Lubrication and Tribology(ISSN 0036-892) [2] IEEE/ASME Transaction on Mechatronics. (ISSN 1083-4435) [3] IEEE Transactions on Industrial Electronics.(ISSN 0278-0046) [4]Journal of Mechanical Science and Technology, Springer publication (ISSN 1976-3824) [5]International journal of computational system Engineering, Inderscience publication(ISSN 2046-3405) [6]International journal of Design Engineering, Inderscience publication(ISSN 1751-5882) [7]International journal of Manufacturing technology and Management, Inderscience publication(ISSN 1741-5195) [8] i-manager journal of Mechanical Engineering(ISSN 2230-9055) [9] World Journal of Mechanics, Scientific Research (ISSN2160-0503) [10] Transport Problems, International Scientific journal(ISSN 1896-0596) [11] International Journal of Research in Mechanical Engineering (research script publication) (ISSN 2349-3852) [12]International Journal of Automation, Control and Intelligence system, Public Science Framework(ISSN 2381-7526) [13] International Journal of Mathematics and Computational science. Public Science Framework (ISSN 2381-7011) [14]Proceedings of National Academy of Sciences, USA [15] Pravara Journal of Science and Technology, PJST, India [16] MVP Journal of Engineering Sciences. India</p> <p><u>Working as Editorial board member for:</u> [1]International Journal of Mathematics and Computational science. Public Science Framework (ISSN 2381-7011) [2]International Journal of Computer Sciences and Engineering(ISSN 2347-2693) [3]American Journal of Science, Engineering & Technology. [4] International Journal of Mechanical & Civil Engineering (USA)</p>
<p>International Conference Reviewer/ Advisory committee member:</p>	<p><u>Reviewer:</u> [1] 8th International conference on Fraction Fatigue and Wear,26-27 August 2020,Belgium. [2] 6th Asia International conference on Tribology(ASIATRIB 2018),Malaysia [3] 2nd International Conference on Electrical, Mechanical Engineering and Automation(ICEEMEA2017),Xi'an China. [4] 2nd World Congress on Mechanical and Electrical Engineering (WCMEE2017),Shanghai, China. [5] 3rd International Conference on Electrical Engineering and Industrial</p>

	<p>Engineering (ICEEIE2017), Hangzhou, China.</p> <p>[6] International Conference on Recent Trends in Mechanical Engineering for Sustainable Growth-2016 organized by MET Nasik, India.</p> <p>[7] World Academy of Science, Engineering & Technology, USA (International Conferences: Mechanical & Mechatronics)</p> <p>[8] Power and Energy conference at Illinois-2017 organized by IEEE Power & Energy society.</p> <p>[9] ASME 2012 International Engineering Congress and Exposition, Texas</p>
<p>Publications: (Citations: 155)</p>	<p>Total publications: (78) International Journals (48), International Conferences (16), National Conferences (14).</p> <p>International Journals:</p> <p>[1] Dr santosh Shelke & Kabudke, Performance, combustion and emission characteristics of VCR engine using biodiesel with nano-additives, Journal of East China University of Science and Technology, Vo.65(4), 2022, 181-189pp, (Scopus Elsevier)</p> <p>[2] Dr Santosh Shelke, Loss Analysis of Radial Magnetic Bearing Using Genetic Algorithm and Gradient Based Method, Materials Today, Elsevier, 2022 (Impact factor 1.3) (Scopus Elsevier)</p> <p>[3] Dr Shelke & Shirke, Performance evaluation of Mechanical properties of untreated woven natural and synthetic fibres hybrid epoxy composites, Materials Today, Elsevier, 2022. (Impact factor 1.3) (Scopus Elsevier)</p> <p>[4] Dr Shelke, & Shirke, Investigation on Mechanical properties of Regular and engineered fibre builtup polymer composites, Material science Forum, Vol.1073, 2022, pp.57-66 (Impact factor 1.3) (Scopus, Inspec)</p> <p>[5] Dr. Santosh Shelke, Controllability of Radial magnetic Bearing, Procedia Technology, Elsevier, Vo.(23), 2016, pp.106-113. (Citations:17) (Scopus Elsevier)</p> <p>[6] Dr. Santosh Shelke, Total loss optimization in varying pole Radial magnetic bearing using theoretical and GA, Journal of Tribology, Institute of Mechanical Engineers part-J, Sage, UK, Vol.230(6) 2015, pp.1-13 (Impact factor 1.32). (citations:4) (Scopus Elsevier)</p> <p>[7] Santosh Shelke, Dr.Venkatachalam, Optimum power loss in electromagnetic bearing, published in IEEE explore, ISBN: 978-3Vol.3, Dec.2011, pp.374-379. (Citations:27) (Scopus index)</p> <p>[8] Santosh Shelke, Dr.Venkatachalam, Optimum Power loss analysis of Radial Magnetic bearing: Multi-objective Genetic Algorithm, published in Springer digital library, Verlinberg (e-ISSN 1865-0937), pp.59-63. (Citations:6) (Scopus index)</p> <p>[9] Raut, Dr Shelke, Optimization of special purpose rotational MIG welding by experimental and Taguchi Techniques, International Journal of</p>

Innovative Technology and Exploring Engineering (IJITEE), Vol.4(6)2014, pp.39-46. (Citations:11) (Scopus index)

[10] Firoz Pathan, **Dr. Santosh Shelke**, Design of cold rolling mill components, International Journal of Innovative Technology and Exploring Engineering, ISSN 2278, Vol.03(10), 2014, pp.9-13. (Impact Factor 1.27) (Scopus index)

[11] **Santosh Shelke**, Dr.Venkatachalam, Optimum Power Loss Analysis of Radial Magnetic bearing using Genetic Algorithm, **International Journal of Computer Applications, USA** (ISSN: 0975-8887), Vol.27, No.6, August 2011, pp.20-27. (Impact factor 0.85). (Citations:5) (Scopus)

[12] **Santosh Shelke**, Dr.Venkatachalam, Optimization of total power Loss in Eight poles Radial Magnetic Bearing, International Journal of Advances in Engineering & Technology (ISSN: 2231-1963), Vol.1, issue 4, Sept 2011, pp.249-261. (Impact factor 2.35) (Citations:2) (Indexed in Copernicus)

[13] **Santosh Shelke**, Dr. Venkatachalam, Optimum loss in eight pole Radial Magnetic Bearing, IJMAE, SERC, USA, 2012 (ISSN: 0974-231X), Vol.22 (6), 2011, pp.20-27 (Citations:2)

[14] **Santosh Shelke**, Dr.Venkatachalam, R., Total loss optimization in varying pole pair radial magnetic bearing using theoretical and genetic algorithm approach, International journal of Engineering Technologies in Computational and Applied Sciences, USA, Vol.1(3), 2013, pp. 87-93 (Impact factor 1.23) (Indexed in Copernicus)

[15] **Santosh Shelke**, Rakesh Nagabhushgana, Contact fatigue estimation and material optimization for wear of cam shaft for high pressure diesel pumps, International journal of Engineering research and Industrial applications (IJERIA), ISSN 0974-1518, Vol.6 (2), 2013, pp.191-201.

[16] Kulkarni, Sonawane, **Shelke**, Analysis of fasteners for the cross members in the chassis of heavy commercial vehicles, International Journal of Advanced Engineering Research and Studies, E-ISSN 2249-8974, Vol.3(1), 2013, pp.67-69.

[17] Firoz Pathan, **Dr. Santosh Shelke**, Structural Analysis of work roll chock and backup roll chock in cold rolling mill, International Journal of Engineering Research, ISSN 2321-7758, Vol.2(1), 2014, pp.47-56. (Indexed in Copernicus and Indian citation Index)

[18] Nitin Ahire, Vijay Kadlag, **Santosh Shelke**, Vibration Analysis of distributor using multiphase flow analysis, IOSR Journal of Mechanical and Civil Engineering, USA e-ISSN 2278-1684, 3-ISSN:2320-334X, 2014, pp.29-31. (Impact Factor 1.485) (Indexed in NASA, J-Gate)

[19] Manoj Sonawane, **Dr. Santosh N. Shelke**, Stress Analysis of Bolts used to connect two plates in circular array pattern for various loads, International journal of current Engineering and Technology, USA, ISSN 2277-4106, Vol.4(4), 2014, pp.1-5. (Impact Factor 2.55) (Indexed in Copernicus)

- [20] Chumble, **Dr. Shelke**, Study of effect of adhesive layer thickness on strength of single lap joint by using Ansys and Mechanical testing, International journal of Innovations in Engineering Research & Management,ISSN:2348-4918,Vol.1(4),2014,pp.1-5.(IF:6.3)(Citation:4)
(UGC approved Sr.no.48708)
- [21] Chumble,Dr Shelke, Stress-strain effects of adhesive layer thickness on Single lap joint by using Ansys, International journal for Research in Technological studies,vol.1(8),2014,pp.77-82
- [22] Ahire, **Shelke**, Study and Analysis of Distributor system by Analytical and Experimental methods, International journal of Innovations in Engineering Research & Management,ISSN:2348-4918,Vol.1(4), 2014,pp.1-6.(IF:6.3)
(UGC approved no.48708)
- [23] Khairnar, **Dr. Shelke**, Design development, testing and analysis of torque limiter for overload protection, International journal of Innovations in Engineering Research and management,ISSN:2348-4918,Vol.1(5),2014,pp.1-5.(IF:6.3)(Citation:2)
(UGC approved no.48708)
- [24] Chumble, **Dr. Shelke**, Stress-strain effects of adhesive layer thickness on Single lap joint by using Ansys, International Journal for Research in Technological Studies, Vol. 1(8), 2014, ISSN (online): 2348-1439,pp.1-6. (Citations:2)
- [25] Dighole, Dr Shelke, Design and Development of Duel mass Flywheel for improving Energy storage capability, International Journal of Science, Engineering and Technology Research,Vol.4(7),2015,pp. 2359-2364. (Citations:6)
- [26] Mayuri Mhaske, **Dr.Shelke**, Detection of depth and location of crack in beam by using Vibration Measurement, ANN and GA, International Engineering research Journal, Special Issue(2), 2015,pp.488-493. (Citations:9)
- [27] Snehal Gawale, **Santosh Shelke**, Diesel Engine Exhaust Valve Design and Optimization, IOSR Journal of Mechanical and Civil Engineering, **USA, Vol.13(4),2016**, pp.85-93. (Citations:9) (NASA,J-GATE)
- [28] Gawale,Dr Shelke, Design of stationary IC engine exhaust valve and optimization based on FEA, International journal of modern trends in engineering research,Vol.3(4),2016,pp.938-943.
- [29] Gawale,Dr shelke,Design and optimization of IC engine exhaust valve, International Engineering research journal,2016,pp.1014-1031. (Thomson Reuter indexed)
- [30] Prinyanka Gangurde, **Santosh shelke**, Modal analysis of cracked beam using Ansys, International Journal on Theoretical and Applied Research in Mechanical Engineering,Vol.5(2),2016,pp.1-8. (Citations:2)
- [31] Akshay shinde, **Dr.S.N. Shelke**, A review on dynamic analysis of Pelton wheel Turbine, International journal of Innovative science, Engineering & Technology,Vol.3(6),2016,pp.1-4. (Citations:2) (UGC approved Sr.no.4798 & 48287;Scopus applied)

- [32] Gaidhani, **Dr Shelke**, Review of Design and Development of Precision Sheet Metal Pulley, International journal of Advanced Research and Innovative Ideas in Education, Vol.5(2),2019,pp.1-3 (UGC approved no.48708)
- [33] **Khemnar,Dr Shelke**, Vibration Analysis of Granite Epoxy Composite cracked beam by various Techniques - A Review, International journal of Advanced Research and Innovative Ideas in Education, Vol.4(3),2018,pp.1-3 (UGC approved no.48708)
- [34] Tajanpure,**Dr shelke**, Design and Analysis of Mono-leaf spring, International journal of Advanced Research and Innovative Ideas in Education, Vol.3(5),2017,pp.1-5 (UGC approved no.48708)
- [35] **Jaltare, Dr Shelke**, Design and development of low cost 3D printer, International journal of Advanced Research and Innovative Ideas in Education, Vol.3(5),2017,pp.517-520. (UGC approved no.48708)
- [36] Akshay shinde,**Dr Shelke**, Vibration analysis of pelton wheel turbine by theoretical, Numerical and experimental approach, International Engineering Research journal, ISSN 1396-1400
- [37] Kale,**Dr Shelke**, Static and modal analysis of cantilever, International journal of Advanced Research and Innovative Ideas in Education, Vol.3(4),2017,pp.23-28. (UGC approved no.48708)
- [38] Varade, **Dr Shelke**, A review on Friction and Wear material behaviours of Brakes friction materials, i-managers journal of Materials science, Vol.6(1),2018,pp.57-61.(Citations:1) (ICI,SCI)
- [39] Ganjwe and **Dr. Shelke**, Performance analysis of coated and uncoated end mill with P-20 steel in milling operation, International journal of Advanced Research and Innovative Ideas in Education, Vol.4(4),2018,pp.280-288. (NSL,CSIR UGC)
- [40] Mohan Gopale, **Dr Shelke**, Vibration Analysis of cantilever beam using FFT analyser, International Research Journal of Engineering and Technology, Vol6(12),2019,pp1-8 (UGC approved journal)
- [41] **Dr.Shelke**, Energy Regeneration by using PIEZOELECTRIC PLATES SENSORS, International Research Journal of Engineering and Technology, Vol.6(1),2019,pp.1-7 (UGC approved journal)
- [42] **Dr.Shelke**, Design, Analysis & Fabrication of Efficycle: A Hybrid Tricycle, International Research Journal of Engineering and Technology, Vol.6(1),pp.1-4. (UGC approved journal)
- [43] Vyavahare,Bhogale,**Dr Shelke**, Design and Analysis of Transmission system of Hybrid vehicle-Efficycle, IJARIE, Vol.6(5),2020,pp.1-6. (NSL,CSIR UGC)
- [44] **Shirke,Dr.Shelke**, Significance of Chemical Treatment on performance of natural fibre-A review, i-manager journal of material science, Vol 8(2)Sept.2020,pp.23-28 (Indexed in ICI & SCILIT)
- [45] Ahire & **Dr Shelke**, Electricity generation using Wind Ventilator, International Advanced Research Journal in Science, Engineering and Technology, Vol 8(6),2021,pp 727-732 (UGC approved journal)
- [46] **Dr Shelke**, Design and fabrication of pneumatic safety steering system,

International journal of Advanced Research and Innovative Ideas in Education ,Vol.7(4),2021,pp.886-890. (NSL,CSIR UGC)

[47] Mahale and **Dr Shelke**, Design and Analysis of Robot base, International journal of Advanced Research and Innovative Ideas in Education,Vol.7(4),2021,pp.2395-4396. (NSL,CSIR UGC)

[48] **Dr.Santosh shelke**, Zaware, Implementation of Radiator and evaporator leak testing machine,International journal of innovative research in Science,engineering & Technology, Vol.11(5),2022pp.1-5(**Impact factor 8.5**). (UGC)

International Conferences (16)

[1] Power losses in Radial Magnetic Bearing, published in international conference proceeding, **N.I.T. Surat**, 2009.

[2] Optimum power loss in eight poles Radial Magnetic Bearing, published in International conference proceeding, **Government college of Engineering, Aurangabad**, 2010.

[3] Optimum power loss in Electromagnetic Bearing, proceeding of International conference on Electronic Computer Technology, **IEEE**, at **Kanyakumari**, Vol.3 (374), ISBN: 978-3, 2011.

[4] Optimum Power Loss Analysis of Radial Magnetic bearing: Multi-objective Genetic Algorithm, proceeding of second International conference on control communication and power Engineering (**ccpe2011**), Pune, organized by **ACEEE, Springer, Verlinberg** (ISSN 1865-0929), 2011, pp.59-63.

[5] Contact fatigue estimation and material optimization for wear of cam shaft for high pressure diesel pumps, International conference on Recent Trends in Engineering and Technology, organized by **SNJB COE, Nashik**, 2013.

[6] Determination of effect of adhesive layer thickness on joint strength, 2nd International conference on Recent Trends in Engineering Sciences, organized by **Elsevier**, India, Nashik, 2014.(ISBN:978-93-5107-223-2)

[7] Design optimization of work roll and backup roll chock, 4th International conference on Computational Intelligence, organized by **SIT, Nashik**, 2015.

[8] Controllability of Radial magnetic Bearing, 3rd International conference on Innovations in Automation and Mechatronics Engineering, Organised by **G.H.Patel COE, Gujrath**, 2016,pp.20.

[9] Design of stationary IC Engine exhaust valve and Optimisation based on FEA, Int. conference on Research Trends in Engineering and Technology, **COE Chandwad,Nashik**,2016,pp.1-7.

[10]International conference on Renewable Energy sources organised by Rajshri Shau college of Engineering,Pune,18-19 Feb.2020

[11] International conference on Education for social cohesion organised by SPPU Pune,11-12 July 2020

[12] Shirke and Dr Shelke, Significance of Characterisation Tools and techniques used for the Engineering material as per ASTM standards,

Abstract Proceeding of International Tribology Research Symposium, organised by SRM Institute of Science and Technology, Mata Vaishno Devi University Jammu & Dr.APJ Kalam Technical University,Lucknow,Nov.2020.pp.79.

- [13] Ahire and Dr Shelke, Tribological optimisation of Multilobe Hydrodynamic Journal bearing with nano additives in lubricants, Abstract Proceeding of International Tribology Research Symposium, organised by SRM Institute of Science and Technology, Mata Vaishno Devi University Jammu & Dr.APJ Kalam Technical University,LucknowNov.2020.pp.82
- [14] Investigation on Mechanical properties of Regular and engineered fibre builtup polymer composites,4th International conference on Material Science and Manufacturing Technology,Coimbtore,8-9 April 2022.
- [15] Performance evaluation of Mechanical properties of untreated woven natural and synthetic fibres hybrid epoxy composites, International Conference on Design and application of Multifunctional Materials and composites organized by K.R.Mangalam University,Haryana,4-6 June 2022.
- [16] Loss Analysis of Radial Magnetic Bearing Using Genetic Algorithm and Gradient Based Method, International Conference on Design and application of Multifunctional Materials and composites organized by K.R.Mangalam University,Haryana,4-6 June 2022.

National conferences (14)

- [1] Review on friction and wear behavior of brakes friction material, BCUD sponsored National conference on Advanced design and optimization techniques in Engineering applications, organized by SVIT Nashik,18-19 January,2018.
- [2]Vibration analysis of granite epoxy composite cracked beam by various techniques, BCUD sponsored National conference on Advanced design and optimization techniques in Engineering applications, organized by SVIT Nashik,18-19 January,2018.
- [3] A review on coated and uncoated endmill in milling operation of P-20, BCUD sponsored National conference on Advanced design and optimization techniques in Engineering applications, organized by SVIT Nashik,18-19 January,2018.
- [4] Modal Analysis of Cracked beam using Ansys, National conference on Advances in design, organized by G. H. Raisonni COE, A. Nagar during Feb 2016.
- [5] Worked as reviewer for Post Graduate conference of Mechanical and computer engineering, cPGCON 2015,13-14th March 2015.
- [6] Presented paper in National Conference “Recent trends in Mechanical Engineering” organized by MET, Nasik held during 21-22 March 2013.
- [7] Presented paper in National Conference “Recent trends in Mechanical Engineering” organized by MET, Nasik held during 4-6 March 2010.
- [8] Presented paper in National Conference “Trendz in Mechanical

	<p>Engineering” organized by A.G. Awate college of Engineering, Pune held during March 5-7, 2010.</p> <p>[9] Presented paper in Regional Research Conference for University and College Teachers “Innovation 2009” held at College of Engg. Sangamner on 11-12 Dec.2009.</p> <p>[10] Presented paper in National Conference “AES for Rural Development” organized by P.G.M. College of Engg. Wagholi, Pune on 31/1/2009.</p> <p>[11] Presented paper in Regional conference for Pune University College Teachers “Innovation 2009” held at SRES, college of Engg. Kopargaon on 24-25 Nov.2008.</p> <p>[12] Presented paper in National Conference on “Computer Application In Manufacturing” organized by Sinhgad Institute of Tech. Lonavala on 13 & 14 March 2008.</p> <p>[13] Presented paper in National Conference on “Innovation in Mech. Engg.” Organized by J.T. Mahajan college of Engg, Faizpur on 29-30 March 2007.</p> <p>[14] National Conference on “Education in Values & Spirituality” organized by Rajasthan Gov. at Mount Abu on 4th-8th June 2006.</p>
Research Project completed	[1] Worked as principal Investigator for research project on “Power Generation Using Photovoltaic Cells Solar Tracking system” sanction by BCUD (Pune) with grant Rs. 1.0 Lakh. (during 2007-2008)
Research proposal submitted to Government funding Agency	[1] Proposal title: “Tribological performance analysis of multilobes hybrid journal bearing with nano-additives in lubricant” submitted with budget of 33 Lakhs to DST, Gov.of India (status:Under consideration)
Revenue Generation:	<p>[1] Daily material testing in Applied Mechanics laboratory</p> <p>[2] Received research grant of Rs. 1.0 Lakh. (during 2007-2008)</p> <p>[3] Received grant of 0.5Lakh from BCUD, Pune and conducted National level workshop on Vibration measurement during 2013.</p> <p>[4] Received grant of 0.25 Lakh from BCUD, Pune and conducted state level seminar on Nanotechnology during 2013.</p> <p>[5] Received grant of 2.0 Lakh from BCUD, Pune and conducted National level workshop on Vibration measurement during 2016.</p> <p>[6] Received sponsorship of 5.0 Lakh and organized three days National level technical event “Mechazzmo’14 for Engineering and diploma students at SVIT, Nasik during February 2014.</p> <p>[7] Received grant of 2.0 Lakh for National conference “Advanced optimization techniques in engineering Applications” proposal submitted to BCUD under QIP, 2017</p>
Seminar/ Workshop/ STTP/FDP/ Expert talk	<p>[1] AICTE ATAL FDP on IoT based condition monitoring organized by VJTI Mumbai during 6-10 Dec.2021</p> <p>[2] AICTE ATAL FDP on Robotics organized by Electronics service and Training centre, New Delhi during 22-26 Nov. 2021</p>

(53):	<p>[3] AICTE ATAL FDP on Nature Inspired optimization Techniques by National Institute of Technology, Delhi conducted during 19-23 July 2021.</p> <p>[4] National level FDP on Advanced Fluid, Heat and Mass Transfer during 5-9 July 2021</p> <p>[5] AICTE ATAL online FDP on Energy Storage by Institute of Aeronautical Engineering conducted during 17-21 May 2021</p> <p>[6] Delivered expert talk on Topic: Magnetic Bearing Design in AICTE ATAL online FDP organized by Pillai college of Engineering conducted during 15-19 Feb. 2021.</p> <p>[7] Delivered expert talk on Topic: Project Based Learning in Online induction program of first year Engineering organized by SVIT Nashik on 3rd Feb 2021.</p> <p>[8] AICTE ATAL online FDP on Sustainability Engineering organized by Canara Engineering College during 22-26 Feb. 2021</p> <p>[9] Five days online workshop on Universal Human values, organized by AICTE New Delhi, during 21-25 September 2020.</p> <p>[10] AICTE ATAL online FDP on Blended learning and Flipped Classroom organized by SVNIT Surat during 10-14 August 2020</p> <p>[11] AICTE STTP on Advances in Additive Manufacturing organized by Yeshwantrao Chavan college of Engineering Nagpur during 20-25 July 2020.</p> <p>[12] NPTEL course on NBA Accreditation and teaching-learning NATE organized by IIT Bombay and MHRD during Jan-April 2020.</p> <p>[13] State level workshop on Tribology for Sustainable Development organized in Mechanical Engineering Department, SVIT Nashik during October 23-24, 2020.</p> <p>[14] International webinar on Industry 4.0 organised by AISSM Pune on 23 May 2020.</p> <p>[15] One week short term course on Tribology for Sustainable Development organized by Mata Vaishno Devi University, Katra, Jammu, 20-24 July 2020.</p> <p>[16] STTP on Advances in Additive Manufacturing –AICTE AQIS sponsored, organized by Siens centre of Excellence for Digital manufacturing and Robotics, Nagpur, 20-24 July 2020.</p> <p>[17] FDP on Advanced Material and Manufacturing organized by Kakatiya institute of Technology, Warangal during 29 June-03 July 2020.</p> <p>[18] STTP on Patenting and Innovations organized by Sanjivani COE Kopergaon, 24-29 May 2020.</p> <p>[19] FDP on Outcome Based Education-A step towards excellence by Gov College of Engineering Karad, AICTE AQIS sponsored, 11-15 May 2020.</p> <p>[20] FDP on Online platform for distance Education by RIT Sangali, 12-14 May 2020</p> <p>[21] Webinar on Vehicle suspension System and Design organized by Devgiri institute of Technology, Aurangabad in association with Gabriel India Ltd. on 6 July 2020.</p>
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- [22] Completed webinar and program on mental well Being conducted by Brainberg,SVIT during 12 May 2020
- [23] FDP on Role of Engineer in uplifting industry post COVID19 by Sandip Institute of Technology and Management Nashik, 8-15 May 2020
- [24] FDP on Open Foam Mechanical Dept,SVIT in association with IIT Bombay, 11-15 May 2020
- [25]Teaching methodologies and communication skill by SVIT Nashik,26-28 May 2020.
- [26] Five days hands on workshop on patent searching,Nagpur, 29/5-02/6/2020.
- [27] Advances in fluid Heat and Mass Transfer organized by SVIT, 16-20/12/2019
- [28] Webinar on Industry scenario after COVID19 GuruGobindsingh COE Nashik,20-21 May 2020
- [29] Convener for organized FDP on Advances in fluid Heat and Mass Transfer, SVIT, 16-20 December 2019
- [30] Convener for National conference on Advances in Optimisation Techniques, organized at SVIT Nashik during 18-19 March 2018.
- [31] Two days workshop on Piping Engineering Design for Chemical and Mechanical Engineering under career counseling cell organized by Asian Academy,Pune & SVIT Nashik on 6th October 2017.
- [32] Delivered Expert talk on Future opportunities in Research and Development at Loknete Gopinathji Munde Institute of Engineering Education and Research Nashik on 25 February 2017.
- [33] One day state level workshop on Enhancing quality of technical education: Issues and Challenges, organized by AICTE,DTE & Thakur college of Engineering, Mumbai on 21st February 2018.
- [34] One day workshop on Academic and Administrative Aduit organized by SPPU and Pravara Medical Trust, Loni on 3rd March 2018.
- [35]National level seminar on New NAAC Accreditation process and Benefits, organized by Dr. Vithalrao Vikhe patil Foundation of Institute of Business Management and Rural Development, A.Nagar on 6-7 March 2018.
- [36] Two days state level workshop on Finite element Analysis(FEA) using Ansys organized by Bhujbal Knowledge City Nasik on 10-11th February 2017.
- [37] One day workshop for revision of syllabus of BE Mechanical (2012 course) worked as co-ordinator for subject Tribology, organized by R.H. Sapat COE, Nashik on 19th March 2015.
- [38] Attended three days Teacher Advancement Programme organized by WREN & Pecker at SVIT on 28-30th June 2014.
- [39] One day workshop on finalization of revised syllabus of Advanced stress Analysis (2013 course) for PG organized by VIIT, Pune on 20 September 2013.
- [40] Two days National level workshop on Vibration and Noise measurement organized by Mechanical Dept of S.V.I.T. Nashik on 15, 16 March 2013.

	<p>[41] Two days state level seminar on Nano-Technology organized by Mechanical Engg. Dept of S.V.I.T Nashik on 20, 21 March 2013.</p> <p>[42] Two days state level workshop on emerging trends in solar energy, wind energy and fuel cells organized by P.V.G. Nasik during 24th and 25th Feb.2012.</p> <p>[43] One day workshop on Effective Teaching sponsored by ISTE, New Delhi and organized by SVIT, Nashik on 6 October 2009.</p> <p>[44] One day workshop on New Norms of AICTE for NBA organized by Pravara group of Technical Institutions on 10 Sept. 2009.</p> <p>[45] National level STTP on Design of Experimental Setups for Engg. Practice organized by N.I.T. Warangal during 25th August-6th Sept., 2008.</p> <p>[46] One day workshop on “Future Energy Resources”, organized by Saikheda College, Nasik on 5th June 2008.</p> <p>[47] Two days state level workshop on “Non conventional Energy Resources” Organized by S.V.M.E.C. on 13th & 14th March 2007.</p> <p>[48] Three days National seminar on “Mechanical Vibration-Analysis & Diagnosis” organized by P.R.E.C. Loni on 22-24 March 2007.</p> <p>[49] State level workshop on “Electric Discharge Machining” organized by K.K .Wagh Engg. college, Nasik on Dec 2005.</p> <p>[50] State level workshop on competency development programme” organized by S.V.M.E.C .on 23rd April 2005.</p> <p>[51] One day workshop on finalization of revised syllabus(2003) at SE/TE/BE Mechanical organized by COE Kopargaon on 17 Feb. 2004.</p> <p>[52] State level workshop on “Implementation of Syllabus” organized by Sinhgad college of Engg , Pune in 2003 course.</p> <p>[53] State level workshop on “Teaching awareness Programme” organized by S.V.M.E.C. in 2002.</p>
AICTE level work:	<p>[1]Worked as Evaluator for Toycathon-2021& Smart India Hakathon-2022(National level project competition) organized by AICTE and Innovation cell, Ministry of Education,India.</p> <p>[2] Delivered expert talk in AICTE ATAL FDP at Pillai College of Engineering on 18th Feb 2021</p> <p>[3] Worked as coordinator for institute report: AICTE EoA, NIRF</p>
Assigned Duties/ Associated with curricular activities:	<p>[1] Worked as chairman, Vigilance squad, MSBTE Exam- summer 2023.</p> <p>[2] Worked as moderator for RAC, MSBTE Exam- Summer 2023</p> <p>[1] Worked as HOD & Research centre coordinator at PREC Loni.</p> <p>[2] Worked as SVIT NAAC committee criteria-I coordinator.</p> <p>[3]Worked as PG co-ordinator at R.H.Sapat college of Engineering,Nasik</p> <p>[4]Worked as Co-ordinator for Parents-Teacher Meet 2016-17 at R.H.Sapat college of Engineering, Nasik.</p> <p>[5]Worked as Vice Principal(Academic) at SVIT Nashik for two years.(w.e.f 8/7/2013 to March 2015) & Principal for one year during 2017-18.</p> <p>[6] Worked as H.O.D. w.e.f July 2007 to 2015 at SVIT Nashik</p> <p>[7] Prepared proposal for U.G and P.G. course and accordingly started M.E. Design Engg. course from 2011-12 and increased intake to 120 for</p>

	<p>UG since 2012-13 .</p> <p>[8] Worked as P.G. Co-ordinator and working as PG teacher w.e.f.2012.</p> <p>[10] Worked as co-ordinator for Annul social gathering 2013, 2014.</p> <p>[11] Conducted two days national level workshop on vibration and noise measurement sanctioned by BCUD, Pune with grant of fifty thousand in March 2013.</p> <p>[12] Conducted two days state level seminar on Nanotechnology sanctioned by BCUD, Pune with grant of Twenty five thousand in March 2013.</p> <p>[13] Conducted three days national level technical event “Mechazzmo’14”</p> <p>[14] Worked as principal Investigator for research proposal-“Power Generation using Photovoltaic Cells” sanction by BCUD, Pune with grant Rs. One Lack. During 2008.</p> <p>[15] Worked as co-coordinator for National Level Technical Paper Presentation organized by S.V.M.E.C. in Feb. 2008.</p> <p>[16] Worked as external senior supervisor at Sapkal college of Pharmacy, Anjeneri, Nasik. for university theory examination May 2009.</p> <p>[17] Worked as Senior supervisor for university theory exam.</p> <p>[18] Worked as co-coordinator for state level workshop organized by Mech. Engg. Dept. of S.V.M.E.C. on 13 & 14th Feb 2007.</p> <p>[19] Worked as co-ordinator for Parents Meet conducted in March 2017 at R.H.Sapat COE,Nashik.</p> <p>[20] Worked as dept. Industrial visit, Seminar, Project coordinator.</p> <p>[21] Worked as Earn & Learn scheme coordinator.</p> <p>[22] Worked as disciplines committee member.</p> <p>[23] Worked as subject chairman for syllabus revision of BE Mechanical subject Tribology.</p> <p>[24] worked as syllabus revision committee member for subject Product Design and Development.</p>
Other University Related Work done:	<p>[1]Appointed as external examiner by SGS Nanded for B.Tech Oral/Practical examination during Nov. 2014.</p> <p>[2]Worked as external examiner in Shivaji University, Kolhapur for B.E. oral examination(Sub-MSD) during Nov. 2014.</p> <p>[3]Worked as external examiner in Shivaji University, Kolhapur for M.E. project examination, May 2014 and Nov./Dec. 2016.</p> <p>[4]Worked as external examiner in Shivaji University, Kolhapur for B.E. project examination, May 2013, Nov.2013.</p> <p>[5] Appointed as external examiner in Mumbai University for ME dissertation viva, during 2017 to 2021.</p>
Citations & h-index	<p>Google Scholar: Citations:93; h-index: 05</p> <p>Research Gate: Citations: 71; h-index:06;</p> <p>Web of science: Citations:42 h-index:03</p> <p>Scopus: Citations:20 h-index:03</p>

