

CURRICULUM VITAE

Title : Dr.
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Essential Qualifications: (Graduation onwards):

SN	Examination	Board / University	Institute	Subject / Course	Year of Passing	Division / Class	Marks in %
1	B.E.	Amravati University (MS)	College of Engineering Bandera Amravati	Mechanical Engineering	1994	First	66.18 %
2	M.E.	Amravati University. (MS)	Government College of Engineering Amravati	Thermal Power Engineering	1997	First	60.38 %
3	Ph.D.	S. G .B Amravati University. (MS)	Government College of Engineering Amravati (Research Centre)	Heat Transfer Mechanical Engineering.	2008	Awarded	-
4	MS-CIT Examination passed – 27 June 2002.						

Details of Employment in Descending Order:

SN	University / Institution / Organization	Post	From	To	Government/ Private	Total (in years and months)
1	Government College of Engineering. Amravati (MS)	Principal	20/11/2023	Till date	Government	01 M
2	Government College of Engineering. Amravati (MS)	Professor 37400-67000 AGP (10000) Level -14	12/1/2017	Till Date	Government	06 Yr 08M & 03 days
3	Laxminaryan Institute of Technology.	Professor (CAS)	6/8/2015	11/1/2017	Aided (University)	01Yr 05M & 05 days

	Rashtrasant Tukadoji Maharaj Nagpur University Nagpur (MS)	37400-67000 AGP (10000)			conducted college)	
4	Laxminarayan Institute of Technology. Rashtrasant Tukadoji Maharaj Nagpur University Nagpur (MS)	Associate Professor 37400-67000 AGP (9000)	6/8/2012	5/8/2015	Aided (University conducted college)	03Yr
5	Laxminarayan Institute of Technology. Rashtrasant Tukadoji Maharaj Nagpur University Nagpur (MS)	Reader 15600-39100 AGP(8000)	6/8/2009	5/8/2012	Aided (University conducted college)	03Y
6	Government College of Engineering. Amravati (MS)	Lecturer 8000-275-13500	22/10/99 (A.N)	5/8/2009	Government	09Yr 07M & 13days
7	College of Engg. and Tech. Akola (MS)	Lecturer 2200-75-4000	22/3/97	22/10/99	Private	02Yr 07M
8	S.M.I.T Jalgaon (MS)	Lecturer 2200-75--3700	6/12/94	21/3/97	Private	02Yr 03M & 17days

Total Experience: ---- 28 Years, 08 Months, and 08 Days

Details of Administrative Experience:

Sr. No	University / Institution / Organization	Post	Nature of Duties	From	To	Government / Private	Total (in years and months)
1	Govt. College of Engineering. Amravati (MS)	Principal	Administration	20/11/2023	Till date	Government	01 M
2	Govt. College of Engineering. Amravati (MS)	In-Charge Principal	Administration	09/02/22	19/11/2023	Government	01Yr 07M & 06days
3	Govt. College of Engineering, Amravati (MS)	Professor	Head of Department Administration	28/12/21	09/02/22	Government	01M & 11 days
4	Govt. College of Engineering. Amravati (MS)	In-Charge Principal	Administration	05/10/21	26/12/21	Government	02M & 21days
5	Govt. College of Engineering. Amravati (MS)	Professor	Head of Department Administration	10/12/18	05/10/21	Government	02Yr 09M & 25days
6	Laxminaryan Institute of Technology. Rashtrasant Tukadoji Maharaj Nagpur University Nagpur (MS)	Professor (CAS)	Head of Department in General Engineering Administration	17/11/09	11/01/17	Aided (University conducted college)	07Yr 01M & 24days

Total Administrative Experience: ----11years, 11 Months, 27 Days

Research Publications:

- <https://orcid.org/0000-0001-8035-1422>
- <https://www.scopus.com/authid/detail.uri?authorId=23995570300>
- <https://scholar.google.co.in/citations?user=Qk1wSioAAAAJ&hl=en>

Sr. No.	Title of the publication	Name of the Journal (do not include conference publications)	Year of publication
1	Impact of industry 4.0 on supply chain management	Industrial Engineering Journal Vol. 52 & issue 7 no. 4 July 2023 ISSN:0970-2555 – Peer Reviewed Research Publishing Journal. UGC CARE Approved (Print only Journal)	2023
2	Numerical Investigation of Heat Exchanger pipe equipped with chamfered circular ring separated from wall to intensify thermo-hydraulic performance	Journal of Power and Energy (SAGE Journals) Institution of Mechanical Engineers 2022, Vol236 (5), pp 911-926 DOI10.1177/09576509221075134 Scopus (Impact factor=1.7), SCI indexed http://www.scopus.com/inward/record.url?eid=2-s2.0-85129155472&partnerID=MN8TOARS	2022
3	Thermal barrier coating materials for SI engine	Journal of Material Research and Technology Volume 8, Issue 1, January–March 2019, Pages 1532-1537 https://doi.org/10.1016/j.jmrt.2018.08.002 , Scopus (Impact factor=6.4), SCI indexed http://www.scopus.com/inward/record.url?eid=2-s2.0-85053082076&partnerID=MN8TOARS	2019,
4	Parameter optimization of thermal barrier coatings used in two stroke externally scavenged S.I. Engine using non-traditional optimization algorithms	International Journal of Manufacturing, Materials, and Mechanical Engineering, Volume 6, issue 4, pages 48-62, October 2016 ISSN: 2156-1680 Scopus, SCI indexed DOI: 10.4018/IJMMME.2016100104 http://www.scopus.com/inward/record.url?eid=2-s2.0-84984691679&partnerID=MN8TOARS	2016
5	Layout based analysis & investigation of auto component manufacturing industry- case study	Industrial Engineering Journal Vol. IX & issue no.7 July 2016 ISSN:0970-2555 ,Peer Reviewed Research Publishing Journal UGC CARE Approved (Print only Journal)	2016
6	An experimental assessment of the influence of extensive green roofs on energy conservation	International Journal of Applied Engineering Research, Volume 11 issue 8 pp 5869-5874, January 2016 ISSN 0973-4562 Scopus http://www.scopus.com/inward/record.url?eid=2-s2.0-85018520931&partnerID=MN8TOARS	2016
7	Green Roofs for Energy Conservation and Sustainable Development. A Review	International Journal of Applied Engineering Research, Vol. XI & issue no.4, 2776-2780 March, 2016 ISSN 0973-4562 , Scopus http://www.scopus.com/inward/record.url?eid=2-s2.0-84961721904&partnerID=MN8TOARS	2016
8	Investigation of the thermal performance of green roof on a mild warm climate	International Journal of Renewable Energy Research, Volume 6 issue 2, pp 487-493 April 2016 ISSN 1309-0127, Scopus, (Impact Factor=9.24), SCI Indexed http://www.scopus.com/inward/record.url?eid=2-s2.0-84977604183&partnerID=MN8TOARS	2016
9	Thermo-hydrodynamics of closed loop pulsating heat pipe: an experimental study, Springer Publication.	Journal of Mechanical Science and Technology August 2014, Volume 28, Issue 8, pp 3387-3394 ISSN: 1738-494X, https://doi.org/10.1007/s12206-014-0751-9 Scopus (Impact factor 1.6), SCI Indexed http://www.scopus.com/inward/record.url?eid=2-s2.0-84906278454&partnerID=MN8TOARS	2014

10	An approach for modelling and Simulation of Sintered Bronze Foam Sinks for high heat dissipation	Science Direct Elsevier, Journal of Applied Thermal Engineering, Volume-51, Issue1-2 pp 899-907, March 2013. ISSN:1359-4311 https://doi.org/10.1016/j.applthermaleng.2012.08.016 Peer Reviewed Scopus (Impact factor 6.4), SCI Indexed http://www.scopus.com/inward/record.url?eid=2-s2.0-84870222954&partnerID=MN8TOARS	2013
11	Convection enhancement in a channel using porous material	Journal of the Institution of Engineers (India): Mechanical Engineering Division volume 88, Oct 2007 PP 24-28 ISSN: 00203408 Scopus http://www.scopus.com/inward/record.url?eid=2-s2.0-41849151753&partnerID=MN8TOARS	2007
12	Thermal Performance of Closed loop pulsating heat pipe: An experimental Study with Visualization	Heat Pipe Science and Technology an International Journal , Volume 5, issue 1-4,2014, PP 441-448 Begell house inc. Publishers doi: 10.1615/heatpipesciotech.v5.i1-4.500 Peer Reviewed Research Publishing Journal.	2014
13	Parametric Studies In Automobile Manufacturing Industry Using Cell Focused Plant Layout Simulation Approach	European Scientific Journal, ESJ, 9(9). Vol 9 No 9 261-275 (2013): ESJ March Edition DOI: https://doi.org/10.19044/esj.2013.v9n9p%25p , Peer Reviewed Research Publishing Journal.	2013
14	Thermal Performance of Closed Loop Pulsating Heat Pipe using Pure and Binary Working Fluid	Journal of Frontiers in Heat Pipes (FHP), Frontiers in Heat Pipes (FHP), 3, 033002 (2012) ISSN: 2155-658X, DOI: 10.5098/fhp.v3.3.3002 , Peer Reviewed Research Publishing Journal.	2012
15	Performance issues of cms in automobile industries using computer simulation	International Journal of Computer Application Volume 52(5):31-35 August 2012 https://doi.org/10.5120/8200-1593 Peer Reviewed Research Publishing Journal.	2012

Details of Published Books / Book Chapters

Sr. No.	Title of the book / book chapters	Name of the publisher	ISBN
1	Title of Book: -- “Investigations on Metal Foam”	LAP, Lambert Academic Publication Germany, 2012,	ISSN/ISBN No. 978-3-8484-0334-9
2	Book Chapter: -- Mathematical Modelling of Human Energy Consumption During Hand Arm Vibration in Drilling Operation for Female Operator	Industrial Safety Management: 21st Century Perspectives of Asia, International Conference on Management of Ergonomic Design, Industrial Safety and Healthcare Systems	ISBN: 978-981-10-6328-2 Springer, Singapore

Details of funded research/developmental projects

Sr. No.	Title of the Project	Project Value (Rs. In Lakh)	Granting Agency	Date of Start	Date of Completion
1	Investigation Of Heat Transfer In Porous Media	7,95,000/-	Research Promotion Scheme (RPS), All India Council of Technical Education New	TWO YEARS (2012-14)	2014

			Delhi.		
2	Heat Transfer Laboratory	4,75000/-	MODROB, All India Council of Technical Education New Delhi.	ONE YEAR (2013-14)	2014
3	Scheme for Promoting Interest, Creativity and Ethics among Students (SPICES)	100000/-	All India Council of Technical Education New Delhi.	ONE YEAR 2022-2023	2022-2023
4	Green Roof in Energy Efficient Buildings for Sustainable Future	26,19,560/-	Science And Engineering Research Board (SERB)	18 th March, 2023	Accepted For Evaluation

Experience to Guide Ph.D. Students:			
S. No	Student	Thesis title	Ph.D. awarded
1	Pramod Ramchandra Pachghare	An investigation of thermo-fluid characteristics in closed loop pulsating heat pipes and computational methods	NO. 69/2015 dated 28.08.2015
2	Vinod Kumar V.	Thermal performance analysis and management of green roofs for sustainable development	RTMNU/Ph.D. (Cell)/3/2269 dated 11.02.2017
3	Chandrasekhar Dnyaneshwarrao Mohod	Subjective analysis and modeling of biodynamic response to hand arm vibration system with respect to posture in various directions	RTMNU/Ph.D. (Cell)/5/2624 dated 20.04.2017
4	Jayant Hemchandra Bhangale	Parametric studies in automobile manufacturing industry using cell focused plant simulation approach	RTMNU/Ph.D. (Cell)/6/2733 dated 15.05.2017
5	Manish Hiralal Attal	Investigation and analysis of multi fuel engine with homogeneous charge compression ignition (HCCI) engine approach	RTMNU/Ph.D. (Cell)/7/112 DATED 12.06.2017
6	Nilesh Chandrabhan Ghuge	Performance evaluation of vegetable oils as a cutting fluid.	RTMNU/Ph.D. (Cell)/07/623 dated 19.03.2018
7	Dattatray Dinkar Palande	Studies of natural and mixed convective heat transfer from narrow plates as heat sink	RTMNU/Ph.D. (Cell)/02/287 dated 25.04.2018
8	Shailesh M. Dhomne	Experimental and computational investigations on piston coated externally scavenged S.I. engine	RTMNU/Ph.D. (Cell)/16/744 dated 19.12.2019
9	Mohammad Ayaz Afsar	Experimental investigation on externally scavenged S.I. engine	RTMNU/Ph.D. (Cell)/17/753 dated 03.01.2020
10	Mangesh Dadarao Shende	Experimental investigation and numerical analysis of radial heat sink to enhance the heat transfer	NO.27/2018 dated 17.07.2018
11	Kishore R. Borakhade	Analysis of metal foam using forced convection for heat dissipation	NO. 188/2820 dated 13.02.2020

Details of Experience of Working with International Bodies, Participation in Workshops, Seminars, and Conferences held Outside Country:			
Research Paper Published In Conference:			
S.N.	Activity	Place	Year
1	2nd International Conference on Recent Advances in Fluid and Thermal Sciences (iCRAFT 2020), AIP (American Institute of Physics) Conference <i>Proceedings</i> 2584, 050004 (2023) https://doi.org/10.1063/5.0127961 International Conference “Green Roofs and Evapotranspiration – A heat transfer aspect towards energy	BITS Pilani Dubai Campus, UAE Dubai	March 19-21, 2021,

	conservation: A Review”, Scopus , http://www.scopus.com/inward/record.url?eid=2-s2.0-85160222530&partnerID=MN8TOARS		
2	2nd International Conference on Recent Advances in Fluid and Thermal Sciences (iCRAFT 2020), UAE Dubai <i>AIP</i> (American Institute of Physics) Conference Proceedings 2584, 040010 (2023) https://doi.org/10.1063/5.0127795 International Conference “Air Mass Flow Rate and Heat Transfer Coefficient Analysis of Metal Foam” , Scopus http://www.scopus.com/inward/record.url?eid=2-s2.0-85160257446&partnerID=MN8TOARS	BITS Pilani Dubai Campus, UAE Dubai	2021
3	Proceedings of the ASME Summer Heat Transfer Conference HT 2013. July 14-19, 2013, ISBN: 978-0-7918-5548-5 DOI: 10.1115/HT2013-17399 International Conference “Effect of Inclination Angle on the Closed loop Pulsating Heat Pipe Thermal Performance” , Scopus http://www.scopus.com/inward/record.url?eid=2-s2.0-84892999929&partnerID=MN8TOARS	Minneapolis, MN, USA	2013
4	13th UK Heat Transfer conference, 2 -Imperial College London UKHTC2013 ISBN 978-0-9572298-5-3, 3 September 2013, ” Heat Sink Selection Through Analytical Hierarchical Processing and Simulation for Foam Heat Sink”	Imperial College London	2013
5	13th UK Heat Transfer conference, 2 - Imperial College London UKHTC 2013 ISBN 97 8-0-9572298-5-3, 3 September 2013, ” Review on Thermal Performance of Green roofs”	Imperial College London	2013
6	International Conference on Recent Advances in Mechanical and Material Engineering, Kuala Lumpur, Malaysia (ICRAMME 05), 30-31 May 2005 “Energy auditing – A systematic search for an energy conservation opportunities”	Kuala Lumpur, Malaysia	2005
7	The Third (ASME Sponsored) International Conference on Thermal Engineering: Theory and Applications. Hashemite University Zarqa 13115, Jordan 21-23 May 2007 “Advanced Heat Removal System with Porous Media for Electronic Devices”	University Zarqa 13115, Jordan	2007
8	International Conference, Heat SET 2007 Centered Chambery, France. 18-20 April 2007 “Thermal Management of Electronic Cooling Through Porous Material”	Centered Chambery, France.	2007
9	International Conference on Modelling and optimization of structures, Processes and System (ICMOSP’07), Durban, South Africa 22-24 January, 2007 “Heat Transfer analysis of porous material through ANN tool”	University of KWAZULU NATAL School of Mech. Engg., Durban, South Africa	2007
10	Proceedings of HT08, 2008 ASME summer Heat transfer conference, August 10-14, 2008 “An analytical Heirachical Processing Based Heat Sink Selection and CFD Simulation for Porous Heat Sink”	Jacksonville, Florida, USA	2008

Details of Experience of Working with International Bodies, Participation in Workshops, Seminars, and Conferences held Within the Country:

Research Paper Published In Conference:

S.N	Activity	Place	Year
1	2nd International Conference on Advanced Technologies for Societal Applications - Volume 2, 2018. ISBN: 978-3-030-16962-6. DOI: 10.1007/978-3-030-16962-6_86 International Conference SPRINGER	Bhabha Atomic Research Centre, Mumbai, India SVERI’s College of	2018.

	<p>“MADM Algorithms for Optimization of Thermal Barrier Coatings Used in Two Stoke Externally Scavenged S.I. Engine with Experimental Validation”, SCOPUS http://www.scopus.com/inward/record.url?eid=2-s2.0-85110033315&partnerID=MN8TOARS</p>	Engineering, Pandharpur,	
2	<p>2nd International Conference on Advanced Technologies for Societal Applications - Volume 2,2018, ISBN: 978-3-030-16962-6. DOI: 10.1007/978-3-030-16962-6_78 International Conference SPRINGER “Enhanced Forced Convection Cooling of Power Electronics Devices Exposed to Hot Climatic Conditions by Copper Metal Foam.” SCOPUS http://www.scopus.com/inward/record.url?eid=2-s2.0-85109803987&partnerID=MN8TOARS</p>	Bhabha Atomic Research Centre, Mumbai, India SVERI’s College of Engineering, Pandharpur,	2018,
3	<p>7th International Conference of Materials Processing and Characterization March,17-19, 2017, ISSN: 2214-7853 DOI: 10.1016/j.matpr.2017.11.631 International Conference ELSEVIER “Experimental Investigation on Externally Scavenged S.I.Engine with Aluminium as Piston Material’, SCOPUS http://www.scopus.com/inward/record.url?eid=2-s2.0-85045151538&partnerID=MN8TOARS</p>	Material’s Today Hyderabad, Andhra Pradesh; India;	2017
4	<p>Chemical, Civil and Mechanical Engineering Tracks of 3rd Nirma University International Conference (NUiCONE 2012) Procedia Engineering 51 , 2013 624 – 629 DOI: 10.1016/j.proeng.2013.01.088 National Conference “Effect of pure and binary fluid on closed loop pulsating heat pipe thermal performance”, SCOPUS http://www.scopus.com/inward/record.url?eid=2-s2.0-84891847262&partnerID=MN8TOARS</p>	Nirma University Ahmadabad, Gujarat; India;	2013
5	<p>IET-UK International Conference on Information and Communication Technology in Electrical Sciences, ICTES 2007; Tamil Nadu; India; 20-22. December 2007, Issue 2, Pages 671-676 2007; IET Seminar Digest DOI: 10.1049/ic:20070697 “Simulation and modeling of force convection in metal foam for electronics devices cooling system” SCOPUS http://www.scopus.com/inward/record.url?eid=2-s2.0-67650495254&partnerID=MN8TOARS</p>	Chennai, India	2007
6	<p>Proceedings of the 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), December 27-30, 2017, IHMTTC2017-07-0553 “Mathematical Modeling and Experimental Analysis of Biodiesel Fueled Diesel HCCI Engine”</p>	BITS Pilani, Hyderabad, India.	2017
7	<p>Proceedings of the 23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference IHMTTC2015-976, 17-20 December 2015, “Experimental & Numerical Analysis of Natural Convection Heat Transfer from a Radial Heat Sink.”</p>	Liquid Propulsion Systems Centre, ISRO, Thiruvananthapuram, India	2015.

8	International Conference on Advances in Civil and Mechanical Engineering System, Govt College of Engineering, Amravati in association with SVNIT, Surat, India.19-20 Dec.2014 “Experimental investigation of effect of angle of inclination on narrow plate fin heat sinks in natural convection.”	Govt College of Engineering, Amravati in association with SVNIT, Surat, India.	2014
9	International Conference on Advances in Civil and Mechanical Engineering System, Government College of Engineering, Amravati in association with SVNIT, Surat, India 19-20 Dec.2014 “Analysis of Scavenging Parameters In Two Stroke Engine.”	Govt College of Engineering, Amravati in association with SVNIT, Surat, India.	2014
10	International Conference on Advances in Civil and Mechanical Engineering System, Government College of Engineering, Amravati in association with SVNIT, Surat, India 19-20 Dec.2014 “Vegetable oil as a cutting fluid using Minimum Quantity Lubrication: A review.”	Govt College of Engineering, Amravati in association with SVNIT, Surat, India.	2014
11	National Conference on Innovative Paradigms in Engineering & Technology (NCIPET-2012), Proceedings published by International Journal of Computer Applications. “Effect of Working Fluid on Thermal Performance of Closed Loop Pulsating Heat Pipe: A Review”	S. B. Jain Institute of technology, management & Research, Nagpur, sponsored by IETE	2012
12	Proceedings of International Conference on Emerging Research and Advances in Mechanical Engineering (ERA 2009) Velammal Engineering College, Chennai February 28th and March 1st 2009. “Performance Evaluation and Study of Emissions with Biodiesel (Methyl Ester of Cotton Seed Oil)”	Velammal Engineering College, Chennai Tamil Nadu, India	2009
13	19th National and 8th ISHMT – ASME Heat and Mass Transfer Conference Hyderabad. January 3 to 5, 2008. “Thermal Performance of Copper Alloy Porous Heat Sink by Forced Air Cooling”	JNTU, Hyderabad.	2008.
14	Mechanical Engg. Society, Banaras Hindu University Institute of Technology 18 to 20 Jan 2008 “Performance Analysis of Regenerative Air cooler”	Banaras Hindu University Institute of Technology	2008
15	National Conference on Recent Developments and Future Trends in Mech. Engg. NIT, Hamirpur. (H.P.)3-4 Nov. 2006 “Thermal Analysis of Solid Metal Foam Pin-Fins for Heat Transfer Augmentation”	NIT, Hamirpur	2006
16	International conference on Resource Utilization and Intelligent Systems INCRUIS-2006 Kongu Engg. College, Perundurai Erode (TN) 4-6 Jan. 2006 “Emerging Applications of porous materials in MEMS”	Kongu Engg. College, Perundurai Erode (TN)	2006
17	14th ISME International conference on Mechanical Engineering in Knowledge age. Delhi College of Engg., Delhi 12-14 Dec. 2005 “Simulation of fin porous structure for heat transfer enhancement”	Delhi College of Engg., Delhi	2005
18	National conference on advances in mechanical engineering (AIM-2005) College of Engineering Ibrahimbagh, Hyderabad. (AP).13-14 May 2005. “Heat transfer in porous media – A Review”	College of Engineering Ibrahimbagh, Hyderabad. (AP).	2005.

19	National conference on emerging trends in mechanical engineering NIT Kurushetra and Institute of Engineers (IE) Haryana State Center.29-30 March 2005. “Finite element analysis of porous fins for flow and heat transfer”	NIT Kurushetra and Institute of Engineers (IE) Haryana State	2005.
20	Fourth National Symposium on Metallurgy and Materials Science. Meta vista 2005 PIET, Pune.16-18 Feb. 2005 “Heat transfer measurement and analysis of fin for solid and porous material”	PIET, Pune	2005
21	International Conference, Institute of Engineers Lucknow (U.P.) India.19-21 Oct. 2000 “Energy Environmental policies for sustainable future”	Institute of Engineers Lucknow (U.P.)	2000
22	S.N.C., ISTE, C.O.E., Kopergaon, Dist- Ahmednagar. October, 30-31, 1999 “Environmental Pollution and its Impact”	Kopergaon, Dist- Ahmednagar.	1999
23	28th Annual Convention, Agricultural University Ludhiana. November, 21-23, 1998 “Environmental Pollution Control by using C.N.G. as a fuel for I.C. Engine”	Agricultural University Ludhiana.	1998
24	28th Annual Convention, Agricultural University Ludhiana. November, 21-23, 1998 “Performance Evaluation of Palm Oil Diesel blends as a Fuel Substitute on I.C. Engine”	Agricultural University Ludhiana.	1998
25	3rd ISTE Convention Cusrow Wadia Engineering College Pune. October, 31 to Nov 1, 1998 “Changing Rhythm approach of education and learning”	Cusrow Wadia Engineering College Pune.	1998
26	Engineer’s Forum Chiplun, Dist. Ratnagiri (M.S.) February, 15, 1998 “Performance Evaluation of Soybean Oil Diesel blend in C.I. Engine”	Engineer’s Forum Chiplun, Dist. Ratnagiri	1998

Contribution in Attending Seminar/Workshop/STTP/FDP:			
1	Academic Leadership Program	Maharashtra State Faculty Development Academy (MSFDA)	27 Feb to 03 March 2023
2	Inculcating universal human values in Technical Education	AICTE, New Delhi	August 9-13, 2021
3	Active teaching learning process	M.G.I’s College of Engineering, Shegaon (M.S)	March 4-10, 2021
4	Advance diagnostics inflow and combustion	IIT Indore	March 25-28, 2021
5	Renewable Energy Sources – A Way Ahead	Cummins College of Engineering for Women, Nagpur	May 15-21, 2020
6	Outcome based education: A step towards Excellence	Government College of Engineering, Karad	May 11-15, 2020
7	Problem Based Learning	ICT Mode National Institute Technical Teachers Training and Research Kolkata	20/05/19 to 31/5/19 (2 Week)
8	Role of Board of studies on curriculum planning	Sant Gadge baba Amravati University	10th March 2019
9	Advancements in Water Resources Optimization & Water Use Efficiency	Govt. College of Engg. Amravati	Techniques 4th - 9th February 2019 [1 Week]

10	Computational Fluid Dynamics and Heat transfer	Govt. College of Engg. Amravati	Dec. 17-22, 2018. [1 Week]
11	Problem Based Learning	ICT Mode National Institute Technical Teachers Training and Research Kolkata	25/6/18 to 29/6/18 (1 Week)
12	Foundation Course for Class I officers at YASHDA, Pune.	Yashwantrao Chavan Academy of Developmental Administration. Baner Road, Pune	(2/05/2018 to 12/06/2018) (42 Days)
13	Entrepreneurship	Sinhgad College of Engg. & Savitribai Phule University, Pune	Feb 11, 2016 to 13, 2016
14	TEQIP Sponsored ISTE Approved Two Weeks Faculty Development Program (FDP) on Advancement in Waste Management on Utilization Technologies & Management	Govt. College of Engg. Amravati	2nd March 2015 to 13th March 2015 [2 Week]
15	“Workshop on Theory of Computation	Rajiv Gandhi college of Engineering and Research, Nagpur	9 th July to 13 July 2012 [1 Week]
16	“Advanced Environment Protection Technologies in Industries”	Government College of Engineering, Amravati	18th – 23rd March 2013 [1 Week]
17	Optimization in Engineering	Govt. College of Engg. Amravati	15th May to 19 May 2012
18	Industrial Training for Engineering Teacher AICTE –Staff development Program	Govt. College of Engg. Amravati	Jan23-Feb 04, 2012
19	Transport Phenomena and Phase Change in Reacting System	IIT Kanpur	10 to 14 Jan 2011
20	Environmental and Sustainable Development	Govt. College of Engg. Amravati	21 to 28 June 2010
21	Pedagogical Training in Engineering Education	DTE (MS) Mumbai	16 to 18 March 2009
22	Micromachining	IIT Bombay & BARCE Mumbai	2-7 June, 2008
23	Advance Heat Transfer	College of Engg. Pune.	27th May to 1st June, 2006
24	Neural Network Fundamentals	Govt. College of Engg. Amravati	17th & 18th March, 2006
25	Compact Heat Exchanger	International Workshop (Collaboration of IIT Madras and Swedish Research Centre) IIT Madras.	9-10 Jan. 2006
26	Induction training for technical teachers (AICTE Sponsored)	Govt. College of Engg. Amravati	24th January to 5th February, 2005
27	Revamping Technical Education to make it Synergistic with information Revolution	Govt. College of Engg. Amravati (9th Mah-Goa ISTE and National Seminar)	4th-5th February 2005
28	Rapid prototype and its application	PCEA, Nagpur	8th March, 2004
29	AutoCAD 2000 (AICTE Sponsored)	Govt. Polytechnic College, Amravati	2nd July to 13th July 2001
30	Design of Machines and Mechanisms	B.N. College of Engineering, Pusad	5th to 7th January 1998

Keynote Lecture Delivered AND Chairmanships at National or International Conference/Seminar/ Work Shop/ ETC.			
1.	ISTE sponsored STTP from	P.R. Pote Patil College of Engineering and Management Amravati	14/06/2021 to 18/06/2021
2.	International Conference on Advances in Civil and Mechanical Engineering System,	Govt College of Engineering, Amravati in association with SVNIT, Surat, India	23-24 Dec.2014
3.	Mechanical Engineering post graduate Conference (MEPCON-2015)	PRMIT&R Bandera-Amravati, Maharashtra, India	6th and 7th April 2015.
4.	Kushlata Vikas	MSME Nagpur, Govt. of India	12, March 2015
5.	Industry 4.0, International Conference,	PRMIT&R Badnera – Amravati, Maharashtra, India	29 Nov to 1 Dec. 2019

Experience of working on the Statutory Authorities/forums of a university/institute such as Board of Studies, Academic Council, Management Council or Executive Council of Board of Management, Senate, AICTE / UGC / NBA / NAAC etc.

SN.	Institution	Statutory forum / authority and position	From	To	Total (Y/M)
1	Government College of Engineering, Amravati (GCoEA)	As a Principal of GCoE Amravati, Working as Chairman of Finance committee, Planning & Evaluation Committee, Academic Council, and member Secretary of BoG	10/02/22	Till date	1 Yr, 7M, 05 Days
2	Appointed and working as member in General Engineering Board of studies in LIT Nagpur	Director LIT Nagpur (MS)	28/07/23	Till Date	1M,
3	Appointed and working as member in Mechanical Engineering Board of studies in Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon	Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	03/05/23	Till Date	4M, 12Days
4	Working as a member in Mechanical Engineering Board of studies in Amravati (57/2023, dated 12/4/2023)	Sant Gadge Baba Amravati University	12/4/23	Till Date	5M, 03 Days
5	Appointed and worked as a Member of Board of Governance at College of Engineering & Technology, Akola (Shivaji Education Society, Amravati)	Hon'ble President, Shivaji Education Society, Amravati	16/01/23	Till date	7M 10 Days

6	Appointed and worked as member of Academic Council, Institute of Science, Nagpur	BoG & Director – Institute of Science, Nagpur	16/12/21	Till Date	1Yr,8M, 29Days
7	Government College of Engineering, Amravati (GCoEA)	As a Principal of GCoE Amravati, Worked as Chairman of Finance committee, Planning & Evaluation Committee, Academic Council, and member Secretary of BoG	05/10/21	26/12/21	2M, 21 Days
8	Worked as member of Board of Governance, GCOE Amravati	Principal, GCOE Amravati	01/10/21	26/12/21	2 Months
9	Worked on Mechanical Engineering Board of studies as a member	Sant Gadge Baba Amravati University Amravati	13/2/2019	31/08/22	3Yr,4M, 12 Days
10	Worked as a co-ordinator under special task committee of RTMU Nagpur for General Engineering	Hon. VC, RTMNU Nagpur	2014	2016	2Yr
11	Worked as a Member of Institutional Development Plan at regional Level,	Joint Director of Technical Education Amravati (MS)	21/09/22	12/01/23	3M, 21Days

UGC / AICTE, etc

12	AICTE New Delhi appointed and worked as a expert for evaluation of Proposals under RPS Scheme.	All India Council for Technical Education, Nelson Mandela Marg, Vasant Kunj, New Delhi- 110070	28/2/2019	29/2/2019	02Days
13	Appointed as a AICTE representative on Expert Committee of UGC to visit PDM University Sarai, Bahadurgarh, Haryana extension of autonomy,	AICTE New Delhi-	25/3/2021	27/3/2021	03Days
14	Worked as a UGC Expert Committee member for grant of extension of autonomy	UGC, New Delhi-	4 & 5 June 2022	4 & 5 June 2022	03Days

FORUMS OF A UNIVERSITY

15	Honorable Vice chancellor appointed as a Liaisoning officer (for Honorable Dr. Kiran Kumar, ISRO Chief) of 104 th Convocation of University 2016	R T M Nagpur University, Nagpur	2016	Day one Activity
16	Honorable Vice chancellor, appointed as a Liaisoning officer (for Honorable Dr Jayant Narlikar) of 102 th Convocation of University 2015	R T M Nagpur University, Nagpur	2015	Day one Activity

17	Honorable Vice chancellor, appointed as a Liaisoning officer (for Chief Minister of Maharashtra State Honorable Shri Devendraji Fadanvis) of 101 th Convocation of University 2015	R T M Nagpur University, Nagpur	2015	Day one Activity
18	Honorable Vice chancellor, appointed as a Liaisoning officer (for chairman of Atomic Commission Honorable Dr. Anil Kakodkar) of 99 th Convocation of university 2012	R T M Nagpur University, Nagpur	2012	Day one Activity
19	Honorable Vice chancellor, appointed as a Liaisoning officer (for UGC Chairman Honorable Dr. Vedprakash) of 98 th Convocation of university 2011	R T M Nagpur University, Nagpur	2011	Day one Activity

COMMUNITY SERVICES

20	Hon. District Collector Amravati appointed as a Chairman for Inspection of Oxygen Cylinders in various hospitals in Amravati District for COVID19 situation.	Hon. District Collector Amravati	26/04/21	30/11/21	07Months
21	Appointed as a expert and Chairman on Coal Distribution Panel	Directorate of Industries, Govt. of Maharashtra	21/11/17	23/05/18	06Months
22	Worked as member for Digital India program me	RTMNU University.	2014	2015	01 Yr.
23	Worked as a Amravati City beautification member on Amravati Mahanagarpalika	Commissioner Amravati Mahanagarpalika	26/9/22	Till date	11Months
24	Member of Maharashtra Harit -Sena Amravati,	Forest Department Government of Maharashtra.	2018-19	Till date	03Years
25	Appointed and Working as a chairman for Evaluation and Utilization of learning Course of SGBS UNNATI Foundation (Infosys foundation) The program includes blended learning of over 165 hours and covers topics on English, Communication, Values and Life Skills.	Director of Technical Education, Mumbai	27/06/23	Till Date	03 Months
26	Worked as a Chairman and member on various University committees, examination committees and enquire committees	Various Authorities of University, DTE, etc.	2009	Till Date	Last 14 Years

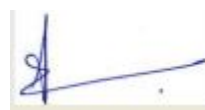
Awards and Recognitions:		
S. No.	Title and details of the award and Recognitions	Year
1	Letter of Appreciation from DIPEX 2023.	10/06/23
2	Grant of Recognition as Post Graduate Teacher in Mechanical Engineering studies in Sant Gadge Baba Amravati University Amravati (No /SGBAU/8/C-1278/2023. 06/06/23)	6/6/2023
3	Certificate of Appreciation for NEAT 2.0 is nominated as member of independent expert committee for evaluating the solutions/courses of NEAT2.0, Ministry of Education, Government of India, and AICTE New Delhi,	March 2021
4	Letter of Appreciation for NBA work in Department, Joint Director of Technical Education Amravati Region,	19/01/19
5	Received first prize for paper presentation competition. Title of paper: -- "Performance evaluation of soybean oil diesel blends on C.I. engines" Engineers Forum Chiplun Dist - Ratnagiri,	February, 15, 1998

Membership of Technical Societies:			
S. No	Name of the Society	Membership Number	Period
1	Fellow Institute of Engineers	(F-1295663)	Fellow member
2	SESI – Solar Energy Society of India	(LM/1243/2007)	Life Membership
3	CI – The Combustion Institute – Indian Section	(LMC – 1012)	Life Membership
4	SAE- India Society of Automotive Engineers	(7007510042)	Life Membership
5	MIE – The Institution of Engineers	(M-133670-8)	Life Membership
6	ISTE – Indian Society for Technical Education	(LM 24841)	Life Membership
7	AMM – Association for Machine and Mechanisms	(LM-116)	Life Membership
8	ISHMT- Indian Society of heat and mass transfer	(LM 1095)	Life Membership
9	ASME – American Society of Mechanical Engineers	(M.ID – 9302258)	One Year

Any Other Information:
Patent Published: -- Title of the invention: A GREEN ROOF SYSTEM WITH BIO-COMPOSITE RETENTION LAYER, Official Journal of patent office, Govt. Of India dated 06/08/2021.
Patent Published: --- Title of the invention: SINTERED BRONZE POROUS BLOCK FOR HEAT TRANSFER ENHANCEMENT, Official Journal of patent office, Govt. Of India No. - 16/2014: dated 18/04/2014
Curriculum Development: (Engineering Outreach) Undergraduate: 04 (02 Core; 02 Electives) and Post Graduate 03 (01 core and 02 electives)
Fields of Interest: - Heat transfer in porous materials, Heat Pipes, I/C Engines, and Energy systems.
Subjects Taught at UG & PG Level: -- Engineering Drawing, Basic Mechanical Engineering Thermodynamics, Applied Thermal Engineering, Thermal and Fluid Engineering, Plant Utility, Applied Thermal Engineering, Energy Conversion, Refrigeration and Air conditioning, Advanced Internal Combustion Engine, Gas Turbine, Heat Transfer etc.

PhD Supervisor Sant Gadge Baba Amravati University Amravati (No SGBAU/PhD/157/2009). dated 31/8/2009
PhD Supervisor Rashtrasant Tukadoji Maharaj Nagpur University Nagpur (No PhD(cell)/RRC/Guide/1293/B/25). dated 29/11/2010
Worked as a Member Secretary in IQAC (Internal Quality Assurance Cell) LIT Nagpur.
Worked as Purchase Committee In charge at LIT, RTMNU Nagpur
Short listed candidate under Research Award UGC scheme 2012-14
Worked in Syllabus revised committee at RTMNU Nagpur
Worked as a member in committee of NAAC for the preparation of SSR.in RTMNU Nagpur.
Worked in GCoE Amravati NAC/N.B.A.
Conducted University and Autonomous UG/PG Examinations.
Worked every year in Central Purchase committee at university level for institute.
Arrange various programs in Department like expert lectures on special subjects, themes, Personality development etc.
Worked as a P.G. Co-ordinator in GCOE Amravati.
Worked as a Reviewer in Elsevier for Applied Thermal Engineering Journal and also reviewed various research papers of National and International Conferences
Worked in Admissions of First year BE, MBA/ MCA/MTech.
Worked in PG admission in the institute
Organized National Conference in Mechanical Engineering Department GCOE Amravati.
Guided social gatherings, seminars during my academic and professional carrier.
Allotted work by Honorable Vice chancellor/ Director/ Principal and University Authority time to time...

REFERENCES			
S.No.	Name	Designation	Address, Mobile and Email
1	Prof B. N. Jajoo	Ex-Principal, Government College of Engineering Aurangabad	A2/402, Shivranjan Towers, Someshwar wadi, Pashan Pune 411008 Mobile No: 8668553115 bnjajoo@yahoo.com
2	Prof. A. B. Marathe	Ex-Principal, Shree Hanuman Vyayam Prasarak Mandal's College of Engineering & Technology, Amravati	501, Ekvira Residency, Opp. Rajurkar Furnishers, Rukmini Nagar, Amravati – 444605 Mobile No.: 9850268814 Email: drabmarathe@yahoo.co.in
3	Prof. N. W. Kale	Former Principal & Professor Prof Ram Meghe Institute of Technology & Research, Badnera, Amravati – 444701	Amba Sadan, Near school number 19, Rukmini Nagar, Amravati – 444605 Mobile No.: 9422917672 Email: - nwkale@gmail.com



Date: 21st December, 2023

Dr. Ashish M. Mahalle