

CURRICULUM VITAE

DR. SACHIN P. AMBADE



Assistant Professor of Mechanical Engg.
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution under RTMNU)
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OBJECTIVE

Be a productive Quality Professional focussed on nurturing young generation achieving excellence and bring about societal well-being and prosperity by exhibiting Team Culture.

EDUCATION

- **Ph. D** – VNIT Nagpur -2017 (**Dr. K.A. Natarajan, Professor, IISc Bangalore:** Examiner for PhD)
- **M. Tech (CAD/CAM)** I Division - RTM Nagpur University - 2007
- **BE. (Prod.)** I Division – RTM Nagpur University - 1999

EXPERIENCE

- **June' 2008 onwards**

Organization	:	Yeshwantrao Chavan College of Engineering, Wanadongri, Nagpur.
Designation	:	Assistant Prof. of Mech. Engg.
Nature of work & level of responsibility	:	Teaching, Administration, Research
- **July' 2007 - June 2008 (01 yrs)**

Organization	:	Yeshwantrao Chavan College of Engineering, Wanadongri, Nagpur.
Designation	:	Lect. in Mech. Engg
Nature of work & level of responsibility	:	Teaching, Administration Research
- **Aug' 2003 – April' 2005 (01 yrs 9 Months)**

Organization	:	Geometric Technologies, Nagpur
Designation	:	CAD Engineer
Nature of work & level of responsibility	:	CAD modeling of Industrial project, Handling the project on CAD/CAM/CAE software's work as a team member, Administration
- **Jan' 2001 – Jan' 2002 (01 yrs)**

Organization	:	JAIHIND Projects Limited, New Delhi
Designation	:	Project Engineer
Nature of work & level of responsibility	:	“Mathura-Tundla pipeline project of Indian Oil Corporation limited” Petroleum pipeline Erection and commissioning work as a Welding, Joint coating and lowering Incharge, Administration
- **Oct' 1999 – Dec' 2000 (01 yrs 3 Months)**

Organization	:	Steelage Industries Limited, New Delhi
Designation	:	Site Engineer
Nature of work & level of responsibility	:	Fire fighting pipeline erection and commissioning, welding and pipeline erection incharge, Administration

PROFESSIONAL TRAINING

- One week (6 days) Workshop on “Advanced Material and Manufacturing for Industry 4.0” by AICTE-ISTE sponsored YCCE, Nagpur, 22/02/2022 – 27/02/2022.
- One week Workshop on “Applications of GeoGebra” by IIT Bombay, 01 June – 05 June 2020.
- One week Workshop on “Fundamentals of Network Security” by NITTR, Kolkata, 27 July – 31 July 2020.
- One week (6 days) Workshop on “Advances in Additive Manufacturing” by AICTE sponsored YCCE, Nagpur, 20 July – 25 July 2020.
- One week (6 days) Workshop on “Renewable Energy, smart Electronics and Energy Audit for industry” by MEDA sponsored ISTE approved STTP at YCCE, Nagpur, 24 – 29 Feb 2020.
- One week Workshop on “Rural Development through Technical Institute” by NITTR, Kolkata, 29 July – 02 August 2019.
- One week Workshop on “Modern Manufacturing Systems” by NITTR, Kolkata, 18 - 22 February 2018.
- One week Workshop on “Research Conception, Techniques, and Publication” by VNIT, Nagpur, sponsored by TEQIP III, 17 - 21 December 2018.
- One week workshop on “Diffraction and Microscopy” by VNIT, Nagpur, sponsored by TEQIP III, 25-29 August 2018.
- Half-day workshop on “Techno-Societal Meet” by YCCE, Nagpur, 27/06/2018.
- One week workshop on “Numerical Techniques for Partial Differential Equations” VNIT, Nagpur, 10-14 July 2017.
- Two day faculty development program on “Simulation Modeling Techniques in Industrial Automation, Power Plant, Digital CNC and Factory Modeling” conducted by India soft Technologies Pvt. Ltd. and YCCE, Nagpur 13-14 January 2017
- Two day workshop on “CORSYM-2014” by IIT Bombay, 18-19 Feb 2014
- Three day Training program on “Welding of steels and stainless steels” by The Indian Institute of welding and Mohamed Sathak A.J. college of Engineering Chennai 21-23 March 2013
- Two week ISTE workshop on “Introduction to Research Methodologies” by IIT Bombay under National Mission on Education through ICT (MHRD, Govt. of India), 25th June to 4th July 2012
- Two week ISTE workshop on “Engineering Thermodynamics” by IIT Bombay under National Mission on Education through ICT (MHRD, Govt. of India), 11th to 21st December 2012
- One day Training program on “Intellectual Property Rights” by National Institute for Intellectual Property Management, Government of India and- YCCE, Nagpur-7th Jan 2012
- Two day workshop on “Experimental Techniques for Corrosion Research” by IIT, Bombay 27th– 28th Sept. 2011
- One week workshop on “Micromanufacturing” by IIT, Kanpur sponsored by AICTE and BARC, 30th Sept. – 04th Oct. 2011
- Two week workshop on “Failure Diagnosis and prevention” conducted by VNIT Nagpur, 30th Nov. to 11th December 2009
- Two day workshop on “Research Methodology in engineering and Technology” by YCCE, Nagpur 29th– 30th Jan. 2008

ADMINISTRATION

- End semester Exam committee member (RTMNU), Winter 2007
- Stock verification committee Incharge, 2008-2015.
- Departmental Exam committee member (RTMNU), 2007-2010
- MSE I and MSE II Exam Incharge in 2010-2011
- ESE Practical Exam Incharge 2010-2011

- End semester Exam Co-Incharge (Autonomous), Winter 2014
- Member, Board of Studies in Mech. Engg.-RTM, Nagpur University 2009 till date
- Member, Board of Studies in Production Engg.-RTM, Nagpur University 2009 to 2015
- Member, Board of Studies in Mech. Engg.-YCCE, Nagpur 2010 to till date
- Co-Examination Incharge of End semester exam Summer-2018
- Exam Incharge of End semester exam Summer-2022.
- Coordinator, GATE and Competitive Exam Club-2022.
- Re-sit Exam Incharge of End semester exam Summer-2022.
- Scopus Index International Conference RAMMML-2022 organized at YCCE, work as Organizing Secretary.

AWARD / RECOGNITION

- Presented paper in European corrosion congress, EUROCORR-2014, in PISA, ITALY, 8-12 Sept 2014.
- Best Paper Award on Research Scholars' Day on "Effect of welding heat input on HAZ and corrosion behavior of Ferritic stainless steel 409M in sulphuric acid solutions" organized by VNIT, Nagpur, 20th Sept. 2014
- Best Paper Award at International conference on Design, Manufacturing and Mechatronics "Evaluating effect of 4th pass of SMAW and TIG welding on corrosion rate, microstructure and HAZ of low carbon steel" organized by KJ college of Engineering and Management Research, Pune 11-13 Feb 2015.
- Graduate Aptitude Test in Engineering (GATE) passed in 2005 with 69.27 percentile.

RESEARCH

- M.Tech Dissertation
 - 15 projects Guided
- U.G. Dissertation
 - 20 projects Guided

PUBLICATIONS

Patent:-

2022: Sachin Ambade, Vaishali Ambade, Prachitish Wakde, Title: A SYSTEM FOR WATER EFFICIENT COOLING CONTROL OF DESERT AIR COOLER patent granted by Indian patent office for 20 year. Patent No. 41393, Date of Granted: 08/12/2022.

2023: Sachin Ambade, Vaishali Ambade, Prachitish Wakde, Devendra Shahare, Title: AN APPARATUS FOR STEADY PRODUCTION OF ACETYLENE Patent by Indian patent office for 20 year. Patent No. 453924, Date of Granted: 22/09/2023.

2024: Sachin Ambade, Vaishali Ambade, Prachitish Wakde, Prashant Shende, Title: PORTABLE WINDOW-MOUNTED COOLER INCORPORATING EVAPORATIVE COOLING AND CONTROL SYSTEM, Patent by Indian patent office for 20 year. Patent No. 536887, Date of Granted: 06/05/2024.

Book Chapter:-

2024: Aditya Thaware, Sachin Ambade, Prachi Gawande, Radhika Katyarmal, Taha Josh, Sagar Shelare, "A Critical Review on Weldability of 316 Austenitic and 410 Martensitic Stainless steel", Published in book of Recent Advances in Material, Manufacturing, and Machine Learning, CRC Press, Taylor and Francis, UK, eBook ISBN: 9781003450252.

2022: Sachin Ambade, Chetan Tembhurkar, Sagar Shelare, Santosh Gupta, "Application of ANN and Taguchi Technique for Material Removal Rate by Abrasive Jet Machining with Special Abrasive Materials" Published in book of Evolutionary Optimization of Material Removal Processes, CRC Press, Taylor and Francis, UK, DOI: 10.1201/9781003258421-7.

2022: Diwesh Meshram, Y.M. Puri, Vikas Gohil, Sachin Ambade, “An Approach for machining curve cooling hole in plastic injection mold”, Published in book of Computational Intelligence in Manufacturing”, Woodhead Publishing, Elsevier, USA.

2022: Sandip Gaigwal, Sachin Ambade, “Thyristor controlled LC (TCLC) Compensator for Current Harmonic Reduction”, Published in CRC Press, Taylor and Francis, UK.

2022: P.D. Pantawane, Sachin Ambade, “Development and Analysis of Paperless SOPs and Travel card for the Manufacturing Industry”, Published in CRC Press, Taylor and Francis, UK.

2021: Chetan Tembhurkar, Ravinder Kataria, Sachin Ambade, Jagesvar Verma, “A Critical Review on Dissimilar Joining of ASS and FSS” Published in Lecture Notes in Multidisciplinary Industrial Engineering, Springer publication on 25th July 2021. ISBN: 978-3-030-73494-7, Pg. 505-518, Link: https://link.springer.com/chapter/10.1007/978-3-030-73495-4_35

2020: Chetan Tembhurkar, Ravinder Kataria, Sachin Ambade, Jagesvar Verma, “Transient Analysis of GTA-Welded Austenitic and Ferritic Stainless Steel” Advances in Materials Processing, Springer Singapore, Indexing: Scopus, ISBN: 978-981-15-4747-8, DOI: https://doi.org/10.1007/978-981-15-4748-5_6, Pg. 59-65.

In Journals – (National/International):-

- 2025: Journal of Anti-corrosion Methods and Materials, Emerald, “Cold metal transfer welding of 316L/430 dissimilar stainless-steel welds”, DOI: [10.1108/ACMM-03-2023-2774](https://doi.org/10.1108/ACMM-03-2023-2774), ISSN 0003-5599, Indexing: SCIE, Impact Factor: 1.4.
- 2024: Journal of Materials Research and Technology, Elsevier, “Microstructure, mechanical properties and sensitization of ultra-low nickel Cr–Mn austenitic stainless steels”, DOI: <https://doi.org/10.1016/j.jmrt.2024.04.127>, Indexing: SCI, Impact Factor: 6.4, Q1 Journal.
- 2023: Journal of Materials Research and Technology, Elsevier, “Experimental investigation of microstructural, mechanical and corrosion properties of 316L and 202 Austenitic Stainless Steel Joints using Cold Metal Transfer Welding”, DOI: <https://doi.org/10.1016/j.jmrt.2023.11.091>, Indexing: SCI, Impact Factor: 6.4, Q1 Journal.
- 2023: : Journal of Materials Today Proceeding, Elsevier, “Dissimilar welding of austenitic SS and ferritic SS in last decades”, DOI: <https://doi.org/10.1016/j.matpr.2023.04.533>, Indexing: Scopus
- 2022: Advances in Materials and Processing Technologies, Taylor and Francis, “Experimental and finite element analysis of temperature distribution in 409M ferritic stainless steel by TIG, MIG and SMAW welding processes”, doi:10.1080/2374068x.2022.2100127, ISSN: 2374-0698, Indexing: ESCI, Scopus
- 2021: Journal of Materials Today Proceeding, Elsevier, “Spot welding analysis of dissimilar joint by finite element analysis”, ISSN 2214-7853, DOI: <https://doi.org/10.1016/j.matpr.2021.09.410>, Indexing: Scopus
- 2021: Journal of Materials Today Proceeding, Elsevier, “Effect of gas tungsten arc welding on the microstructural, mechanical and corrosion properties of Ti-stabilized 439 ferritic stainless steel”, ISSN 2214-7853, DOI: <https://doi.org/10.1016/j.matpr.2021.09.116>, Indexing: Scopus
- 2021: Advances in Materials and Processing Technologies, Taylor and Francis, “Effect of filler, autogenous and GTA welding on microstructure, mechanical and corrosion properties of low nickel Cr-Mn Austenitic Stainless Steel”, <https://doi.org/10.1080/2374068X.2021.1970989>, ISSN: 2374-0698, Indexing: ESCI, Scopus
- 2021: World Journal of Engineering, Emerald, “Shielded metal arc welding of AISI 409M ferritic stainless steel: study on mechanical, intergranular corrosion properties and microstructure analysis” DOI: <https://doi.org/10.1108/WJE-03-2021-0146>, ISSN: 1708-5284, Indexing: ESCI, Scopus
- 2021: World Journal of Engineering, Emerald, “Effect of welding passes on microstructure, mechanical and intergranular corrosion properties of 409M Ferritic stainless steel”, DOI: <https://doi.org/10.1108/WJE-11-2020-0591>, ISSN: 1708-5284, Indexing: ESCI, Scopus
- 2021: World Journal of Engineering, Emerald, “Implementation of multi-objective Jaya optimization for performance improvement in machining curve hole in P20 mold steel by sinking EDM”, DOI: <https://doi.org/10.1108/WJE-11-2020-0568>, ISSN: 1708-5284, Indexing: ESCI, Scopus
- 2021: Journal of Material Engineering and Performance, Springer, “Effect of fillers and Autogenous welding on Dissimilar welded 316L Austenitic and 430 Ferritic Stainless Steels”, Vol.30(2)(2021), Pg. 1444-1453, ISSN 1059-9495, DOI: <https://doi.org/10.1007/s11665-020-05395-4>. Indexing: SCIE, Scopus
- 2020: Journal of Materials Today Proceeding, Elsevier, “Effect of welding processes and heat input on corrosion behaviour of Ferritic stainless steel 409M”, ISSN 2214-7853, DOI: <https://doi.org/10.1016/j.matpr.2020.06.251>, Indexing: Scopus
- 2020: Advances in Materials and Processing Technologies, Taylor and Francis, “Novel curved trajectory machining using VOEDM Process- Experimental study and statistical optimisation thereof”, ISSN: 2374-0698, DOI: <https://doi.org/10.1080/2374068X.2020.1793271>, Indexing: ESCI, Scopus

- 2019: Think India Journal, “Dissimilar weld of Austenitic and Ferritic Stainless steel: A Review”, Vol. 22(Issue 17)(2019), 1440-1448. ISSN: 0971-1260, Indexing: UGC care
- 2018: Journal of Materials Today Proceeding, Elsevier, “Microstructural, Mechanical and Corrosion behavior of dissimilar welding of Cr-Mn ASS and 304 ASS using 316L electrode”, Vol. 5(2018), 8307-8318, ISSN 2214-7853, DOI: <https://doi.org/10.1016/j.matpr.2017.11.522>, Indexing: Scopus
- 2016: Journal of Materials Science and Engineering, “An Overview of Welded Low Nickel Chrome-Manganese Austenitic and Ferritic Stainless Steel”, Vol. 5(2016), doi:10.4172/2169-0022.1000231, ISSN: 2169-0022.
- 2015: International Journal of Applied Engineering Research, Research India Publications, “Evaluating effect of 4th Pass of SMAW and TIG welding on corrosion rate, microstructure and HAZ of Low Carbon Steel”, Vol. 10(71) (2015), 513-517. ISSN 0973-4562, Indexing: Scopus
- 2015: International Journal on Recent and Innovation Trends in Computing and Communication, “Finite Element Analysis of Residual Stresses in Shield Metal Arc Welding of Ferritic Stainless Steel – A Review”, Vol. 3(2) (2015), 188-191, ISSN:2321-8169.
- 2015: International Journal of Engineering Research and General Science, “Finite Element Analysis of Residual Stresses on Ferritic Stainless Steel using Shield Metal Arc Welding”, Vol. 3(2) (2015), 188-191, 1131-1137, ISSN: 2091-2730.
- 2014: Journal of Procedia Material Science, Elsevier, “Thermo-mechanical analysis of multi-pass bead on plate welding” Vol. 5(2014), 2522-2531, ISSN: 2211-8128.
- 2014: International Journal Of Pure And Applied Research In Engineering And Technology, “Effect Of Welding Heat On Microstructural And Tensile Properties Of Ferritic Stainless Steel And Mild Steel”, Vol. 2(2014), 115-122.
- 2014: International Journal Of Pure And Applied Research In Engineering And Technology, “Effect Of Welding Heat On Ferritic Stainless Steel”, Vol. 2(2014), 107-114.
- 2013: International Journal of Advances Materials Manufacturing and Characterization (IJMMC), “Literature Review on Analysis of Sensitization and Corrosion of FSS by different welding processes” , Vol. 3(2013), 263-268, ISSN 2347-1891.
- 2013: International Journal of Advances Materials Manufacturing and Characterization (IJMMC), “Literature Review on Finite Element Analysis of Temperature Distribution in Heat affected zone by different welding processes”, Vol. 3(2013), 285-290, ISSN 2347-1891.
- 2013: International Journal of Mechanical Engineering Research (IJMER), “A Literature Review on Sensitization and corrosion of 409M FSS by different welding” Vol. 3(2013), 86-90, ISSN: 2141-2383.
- 2013: International Journal of Mechanical Engineering Research (IJMER), “A Review on Finite Element Analysis of temperature distribution in welding processes” Vol. 3(2013), 22-26, ISSN: 2141-2383.
- 2012: International Journal of system, Algorithms and Applications(IJSAA), “Microstructure Analysis of effect of Welding Heat on Mild Steel, Vol. 2(2012), ISSN 2277-2677.
- 2012: International Journal of Multidisciplinary Research(IJMR), “Effect of SMAW and MIG on Microstructure of an 409M Stainless steel to find out HAZ, Comparative study”, Vol. 1(2012), ISSN 2277-9302.
- 2012: International Journal of Multidisciplinary Research(IJMR), “Experimental Investigation of Heat Affected zone of Low Carbon Steel by TIG and MIG Welding”, Vol.1(2012), ISSN 2277-9302.

INTERNATIONAL CONFERENCES

- 2020: International conference on Industrial and Manufacturing systems, “A critical review on dissimilar joining of ASS and FSS”, Organized by **NIT, Jalandar**, 9-11 Oct. 2020.
- 2019: International conference on Advances in Mineral, Metals, Materials, Manufacturing and Modeling (ICAM⁵-2019), Presented Paper Title: “Effect of welding processes and Heat input on corrosion behavior of 409M Ferritic stainless steel”, on 25-27 Sept. 2019, organized by **NIT, Warangal**.
- 2019: International conference on Recent Advances in Material Chemistry, Presented Paper Title: “Finite element analysis of temperature distribution in heat affected zone of 409M Ferritic stainless steel by arc welding processes”, on 13-15 Feb. 2019, organized by **SRM Institute of Science and Technology, Kattankulathur, Tamilnadu**.
- 2019: International conference on Energy and Environmental Challenges, Presented Paper Title: “Design and Fabrication of water jet machining based PCB maker in friendly environment”, on 18-19 Jan. 2019, organized by **VNIT, Nagpur**.

- 2019: International conference on Energy and Environmental Challenges, Presented Paper Title: “Prototyping and Investigation of Abrasive Jet machine Using Taguchi Method in friendly environment”, on 18-19 Jan. 2019, organized by **VNIT, Nagpur**.
- 2018: International conference on Corrosion Symposium 2018, NACE Corsym-2018, Presented Paper Title: “Effect of Welding processes on Intergranular corrosion of Ultra Low Nickel Chromium Manganese Austenitic stainless steel”, on 23-24 March 2018, organized by **IIT Chennai**.
- 2017: International conference on Advances in Steel, Power and Construction Technology on “A Review on, Thermo-mechanical analysis of Austenitic Stainless Steel with different welding process”, organized by **OP Jindal University**, Raigarh, Chhattisgarh, 22-23 March 2017.
- 2017: International conference on Emerging Trends in Material and Manufacturing Engineering on “Microstructural, Mechanical and Corrosion behavior of dissimilar welding of Cr-Mn ASS and 304 ASS using 316L electrode”, organized by **NIT Tiruchirapalli**, Tamil Nadu, 10-12 March 2017.
- 2016: International conference on Trends in Industrial and Mechanical Engineering on “An Overview of Welded Low Nickel Cr-Mn ASS and Ferritic Stainless Steel”, organized by **NIT, Bhopal**, 4-6 Feb. 2016.
- 2015: International conference on Design, Manufacturing and Mechatronics “Evaluating effect of 4th pass of SMAW and TIG welding on corrosion rate, microstructure and HAZ of low carbon steel” organized by **KJ college of Engineering and Management Research, Pune** 11-13 Feb. 2015.
- 2015: International conference on Advances in Engineering and Technology on “Finite Element Analysis of Residual Stresses in Shield Metal Arc Welding of Ferritic Stainless Steel – A Review” organized by Anjuman college of Engineering and Technology, 25-26 Feb. 2015.
- 2014: International Conference on advances in Civil and Mechanical Engineering system, “Review on effect of various welding process on ferritic stainless steel”, Organized by **Govt. college of Engineering, Amaravati association with SVNIT, Surat**, 18-20 Dec. 2014.
- 2014: Research Scholars’ Day on “Effect of welding heat input on HAZ and corrosion behavior of Ferritic stainless steel 409M in sulphuric acid solutions” organized by **VNIT, Nagpur**, 20th Sept. 2014.
- 2014: International Symposium for Research Scholars (ISRS) 2014, **IIT Chennai**, Presented Paper Title: Effect of welding passes on tensile and corrosion behavior of 409M Ferritic stainless steel, 11-13 December 2014.
- 2014: European Corrosion Congress, EUROCORR-2014, **Pisa, Italy**, Presented Paper Title: Effect of welding Heat on corrosion behavior of 409M Ferritic Stainless Steel. 8-12 September 2014.
- 2014: International Conference on Electrochemical science and Technology, ICONEST 2014, **IISc**, Bengaluru, Presented Paper Title: Effect of Welding processes on corrosion behavior of 409M Ferritic stainless steel in 3.5% NaCl solution, 7-9 August 2014.
- 2014: International conference on Advances in Manufacturing and Material Engineering on “Thermo-mechanical analysis of multi-pass bead-on-plate welding”, organized by **NIT Surathkal** Mangalore, Karnataka, from 27-29 March 2014
- 2014: International conference on Corrosion Symposium 2014, NACE Corsym-2014, **IIT Bombay**, Presented Paper Title: Effect of Welding processes on corrosion of 409M Ferritic stainless steel, 20-22 Feb 2014.
- 2012: International conference on Interdisciplinary Research and Development in Management, Engineering, Technology and Social sciences on “Effect of SMAW and MIG on microstructure of 409M Stainless Steel to find out HAZ, Comparative study”, organized CIMSIR, Pune, at Hotel Tuli Imperial Nagpur, 28-29th April 2012.
- 2012: International conference on Interdisciplinary Research and Development in Management, Engineering, Technology and Social sciences on “Experimental Investigation of heat affected zone of low carbon steel by TIG and MIG welding”, organized CIMSIR, Pune, at Hotel Tuli Imperial Nagpur, 28-29th April 2012.
- 2011: International conference on Sustainable Manufacturing, ICSM 2011, **BITS Pilani**, Rajasthan. Presented Paper Title: Experimental Investigation on Effect of SMAW and TIG Welding Heat on Mild Steel: Comparative Analysis, 10-12 November 2011.

- 2011: International Conference on Industrial Engineering ICIE 2011, **SVNIT Surat**, Gujrat, Presented Paper Title: Experimental Investigation of heat affect on mild steel by TIG welding, 17-19 Nov. 2011
- 2011: International Conference on Industrial Engineering ICIE 2011, **SVNIT Surat**, Gujrat, Presented Paper Title: Analysis of Failures in the different zone of the Boiler: An Experimental Approach, 17-19 Nov. 2011
- 2011: International conference on Technology and Management ICTM 2011 (IRDO), Hyderabad. Presented Paper Title: Microstructure Analysis of Effect of Welding Heat on Mild Steel, 8-9 June 2011.
- 2010: International conference on Current trends in Technology, NUiCONE 2010, **Nirma University**, Ahmedabad, Gujrat, Presented Paper Title:- Finite Element Analysis of Air Engine Piston, 9-11 Dec 2010.

NATIONAL CONFERENCES: -

- 2013: National Conference on Innovative Paradigms in Engineering and Technology, NCIPET-2013, on “Finite Element Analysis of Temperature Distribution in Heat Affected Zone by Different Welding Process: Review”, by S.B. Jain Institute of Technology, Nagpur, 17th Feb. 2013.
- 2013: National Conference on Innovative Paradigms in Engineering and Technology, NCIPET-2013, “ A Literature Review on Sensitization and corrosion of 409M FSS by different welding”, by S.B. Jain Institute of Technology, Nagpur 17th Feb. 2013.
- 2011: National Conference on Advances in Mechanical science on “Effect of welding on Microstructure of Mild steel”, by Govt. College of Technology, Coimbatore, 1st April 2011.
- 2010: National Conference on Recent trends in Mechanical Engineering on “Redesign of 4-Cylinder Diesel Engine Head” by Datta Meghe College of Engineering, Airoli, Navi Mumbai, 28-29th August 2010.

Journal Review:

- Reviewer of Journal of Material Processing Technology, Elsevier, Indexing: SCI
- Reviewer of Journal of Material Engineering and Performance, Springer, Indexing: SCI
- Reviewer of Journal of Material Research Express, IOP, Indexing: SCI
- Reviewer of World Journal of Engineering, Emerald, Indexing: ESCI, SCOPUS
- Reviewer of Journal of Engineering Research Express, IOP, Indexing: SCOPUS
- Reviewer of International Journal of Interactive Design and Manufacturing (IJIDeM), Indexing: ESCI, SCOPUS
- Reviewer of Journal of Steel Research International, Wiley, Indexing: SCI, SCOPUS

OTHER ACCOMPLISHMENTS:

- Expert / Mentor for three year of BOS Mechanical in J D College of Engineering and Management, Nagpur (Autonomous Institute).
- Keynote Speaker in National Conference organized by J D College of Engineering and Management, Nagpur (Autonomous Institute) on 25th April 2023.
- Keynote Speaker and session chair in National Conference organized by Govindrao Wanjari College of Engineering, Nagpur on 6-7 Feb. 2023.
- Delivered expert on “Latest technologies in welding and heat treatment in materials” in Central Institute of Petrochemical Engineering and Technology (CIPET), Raipur and Korba on 17/03/2023.

- Expert Lecture on “Application of Modern tools in Welding Research Approach” in One week STTP (6 Day) on Use of Modern tools and computing skills for Engineers and Researchers during 18-23 Jan 2021 organized by PCE Nagpur sponsored by AICTE - 22nd Jan 2021.
- Expert Lecture on “Applications of Modern tool Ansys in Welding Technology” in One week STTP (6 Day) on Use of Modern tools and computing skills for Engineers and Researchers during 21-26 Dec 2020 organized by PCE Nagpur sponsored by AICTE - 25th Dec 2020.
- Conducted One Week STTP on “Research Methodology” – 16th -20th, June 2014.
- Expert Lecture on “Advanced Welding Techniques” in One week STTP on Recent Advancement in manufacturing organized by DBACER Nagpur- 16th June 2014.
- Expert Lecture on “Manufacturing Process- Milling Machine” organized by Nagpur Institute of Technology, Nagpur - 24th Feb. 2018.
- Expert Lecture on “Mechanism of chip formation and Merchant circle” organized by Cummins College of Engineering, Nagpur - 08th Jan. 2015
- Expert Lecture on “Theory of Metal Cutting” organized by Cummins College of Engineering, Nagpur - 24th Sept. 2011
- Judge for Intercollegiate “Horizon, Momentum-2k19, ‘IMAGICA’-A Poster Competition”, organized by Priyadarshini College of Engineering, Nagpur – 31st January 2019.
- Judge for Intercollegiate Model Making competition “Expozitica-2017” organized by RGCER, Nagpur – 7th March 2017.
- Chaired Sessions at various Project Competition, National Conferences and Seminars.
- PG End Semester Examiner for different colleges under R.T.M. Nagpur Universities.

Organized Workshop/Conferences and Seminar:

- 1) Scopus Index International Conference Recent Advances Materials Manufacturing and Machine Learning-2022 on 26-27 April 2022 organized at YCCE Work as an Organizing Secretary.
- 2) Organized One Week STTP on “Research Methodology” – 15th -20th, June 2014 Work as an Co-Convenor.

PROFESSIONAL BODY MEMBERSHIP:

- Life Time Member of BANAE
- Student Member of ASME
- Student Member of NACE
- Member of Indian science congress (Membership No. : SLM138)
- Life Time Member of Institute of Engineer (Membership No. : M-1747562)

REFERENCES:

- Dr. A.P. Patil, (Professor, VNIT, Nagpur)
- Dr. D.L. Deshmukh, (Professor, IIT, Indore)
- Dr. Y.M. Puri (Professor, VNIT, Nagpur)

PERSONAL DETAILS

Date of Birth: 01 - 02 - 1977

Fathers Name: Paparao Ambade

Wife: Vaishali Ambade – TGT(English), Kendriya Vidyalaya

Residential Address: Plot No. 240, Vishram Nagar, Bazar Road, Nagpur - 440026

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Declaration: I hereby declare that the information given above is authentic to my knowledge.

Date: 23/4/2025

Place: Nagpur

(Dr. Sachin P. Ambade)