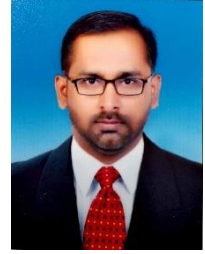


Curriculum Vitae

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Date of Birth : 27th November 1980.



Academic Credentials

Class / Degree	Specialization	Institution	University	Year	% CGPA	Remarks
Ph. D.	Composite Materials	K L University, Vijaywada	K L University, Vijaywada	Pursuing	-	-
M. Tech.	CAD/CAM & Automation	VJTI, Mumbai	Mumbai University	2006	76.30	Distinction
B.E.	Mechanical	RIT, Islampur	Shivaji University	2002	64.60	First division

M. Tech Project: Thermo-mechanical and thermo-hydraulic analysis of ABS spallation target system.

Ph. D. Research:

Research Areas:

Composite materials, natural fiber composites, CAD, 3D Printing.

Experience

Sr. No.	Organization	Post	From To	No. of Years
1	N. B. Navale Sinhgad College of Engineering, Solapur	Assistant Professor	05 th July 2017 to 31 st March 2021	3.8 years
2	V. V. P. Institute of Engineering & Technology, Solapur	Assistant Professor	01 st June 2009 to 03 rd July 2017	8 years
3	Circa Consulting, Pune	CAD engineer	03 rd July 2006 to 06 th Feb. 2009	2.5 years
4	G. S. Moze College of Engineering, Pune	Lecturer	01 st July 2002 to 30 th June 2004	2 years

List of Courses Taught/Teaching at UG level

Taught/Teaching the following course at UG level

- Engineering Graphics (Engineering Drawing)
- Finite Element Analysis (FEA)
- CAD/CAM/CAE
- Machine Drawing
- Computer Aided Machine Drawing (AutoCAD)
- Strength of Materials
- Advanced Computing Techniques (MATLAB)

- CATIA (Practical Sessions)
- ANSYS (Practical Sessions)
- MATLAB

Additional Assignments/duties

- Paper setter at Solapur University, Solapur for CAD/CAM/CAE.
- Worked as team member in Distance Ready Engineer Program organized by Tata Technologies Ltd, Pune from A.Y. 2017 to 2021.
- Worked as In-charge for 3D printing center of excellence at Mechanical Department at NBNSCOE, Solapur.
- Value Addition Program (e.g. CATIA, ANSYS) coordinator at NBNSCOE, Solapur.
- Responsible for HOD and Principal's presentation for the NAAC Accreditation.
- Worked as PG coordinator for M. E. – Mechanical (Design Engineering) course.
- First year In-charge for the academic year 2011-12.
- Coordinator for Practical and oral examinations at Department level for two successive years.

Membership of Professional Bodies

- Associate Member of “The Institution of Engineer (India)” – AM098059-8
- Member of “International Association of Engineers” - Member Number: 219984
- Lifetime Membership of “International Society for Research & Development” – M4150904670

Research Projects/Projects Guided

Sr. No.	Name of the student	Dissertation Title	Year
1	Mr. Mahesh Khot	An experimental and finite element analysis of leaf spring using composite as an alternative.	2014-15
2	Mr. Mahesh Buddhe	Finite Element Analysis of Rail wheel contact stresses in comparison with analytical solution	2015-16
3	Mr. Pandurang Dagade	Investigation of mechanical, thermal and electrical properties of PAFL natural fiber composites.	2015-16
4	Mr. Yuraj Doke	Design & Analysis of Steering System Drag Link against Buckling Loads for Tipper Application	2016-17

Computer/Software Proficiency

- CATIA V5, ANSYS 19, AutoCAD, Solidworks, Fusion 360, MATLAB.

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference Attended

- One day workshop on the discussion of “TE syllabus and Guidelines for BE Syllabus”, at Orchid College of Engineering and Technology, Solapur held on 9th October 2009.
- Attended one day workshop to discuss syllabus of second Mechanical year engineering and structure of B. E. mechanical engineering degree course held on 29th January 2013 at WIT, Solapur.
- Attended one day workshop on structure of first year engineering syllabus held on 7th March 2012 at WIT, Solapur.

- One day workshop on “Geometric Modeling using Solid works”, at WIT, Solapur on 6th March 2016.
- Two day workshop on “MasterCAM Milling and Robot Programming”, at WIT, Solapur on 25th and 26th February 2012.
- One day workshop on “FE syllabus setting”, on Engineering Graphics, at A. G. Patil Institute of technology, Solapur held on 29th March 2012.
- Successfully completed two day workshop on “Induction training to Teachers”, at VVPIET, Solapur held on 25th and 26th December 2010.
- One day workshop on “Publication with Latex”, at N. B. Navale Sinhgad College of Engineering, Solapur held on 5th January 2013.
- Completed short term training program on “CAE using ANSYS” a 100 hours effective full time course organized by CIPET, Mumbai during the period 22nd December 2004 to 07th January 2005.
- Attended 2 days e-Seminar on “Steps 2 Research” at WIT, Solapur organized by Dept. of CS&CA, Amal Jyoti College of Engineering, Kanjirappally held on 19-20 September 2014.
- Attended 3 days 45th ISTE annual national convention and International conference on “Challenges and Opportunities in Technical Education in the Era of Sustainable Development” 9th – 11th January 2016 at Amravati.
- Attended one day workshop on “Hands-on-experience on Soft Lithography” at SVERI’s College of Engineering, Pandharpur on 16th August 2015.
- Attended one day workshop on “Virtual Labs” sponsored by National Mission on Education through Information Communication Technology, MHRD, Govt. of India on 5th April 2016 at WIT, Solapur.
- Attended a STTP on “Advanced Composite Materials” approved by ISTE during 24th – 28th May, 2016 at VIIT, Pune
- Participated in one day national level workshop on “Reference management for the Researchers” organized by SIT, Lonavala on 26th September 2016.
- Participated in one day workshop on “Writing of Research Papers, Ph.D. Thesis and Project Proposals” organized by N B Navale Sinhgad College of Engineering, Solapur on 20th December 2016.
- Participated in two days workshop on “Advanced Nonferrous Welding Practices” organized by N B Navale Sinhgad College of Engineering, Solapur on 28th and 29th July 2017.
- Participated in AICTE recognized STTP in “Optimization Techniques with Engineering Applications through ICT” from 10th Dec. 2018 to 14th Dec. 2018.
- Participated in one week Faculty Development Programme on “Outcome Based Education” organized by VVPIET, Solapur in association with AICTE and ISTE held on 24th to 28th December 2018.
- Attended a national level workshop on “Challenges and Opportunities in Processing and Characterization of Composite Materials” conducted by Cummins College of Engineering for Women, Pune held on 14th December 2018.
- Successfully completed the online Faculty Development Programme (FDP) in “Advanced Composites” conducted by NPTEL – AICTE in July – October 2018.
- Successfully completed the online Faculty Development Programme (FDP) in “Basics of Finite Element Analysis – I” conducted by NPTEL – AICTE in Feb – April 2019.

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference organized

- Organized a STTP for final year mechanical engineering students on ANSYS.
- Worked as coordinator for one day workshop on “MATLAB for Mechanical Engineers” at VVPIET, Solapur for T. E. (Mechanical) students on 17th Jan. 2015.
- Worked as convener for one day workshop on “MATLAB for Mechanical Engineers” at VVPIET, Solapur for faculty, PG students and industry personals.

- Worked as coordinator for one day workshop on “Introduction to ANSYS (ITA)” at VVPIET, Solapur for faculty, PG students and industry personals.
- Worked as coordinator in WISOTCH – 2013, for the competition “TechnoCAT” a CATIA software competition.
- Worked as organizing secretary for national level symposium on “Future trends in refrigeration and Air conditioning – 2013 (FTRAC)” at VVPIET, Solapur.
- Organized WISOTECH – 2010, a paper presentation and project competition for students at VVPIET, Solapur.

Invited talks delivered

- Delivered an expert lecture on “Engineering Graphics” at Bhagwant Institute of Technology, Barshi, Solapur on 01st April 2012.
- Delivered an expert lecture on “Engineering Graphics” at Shriram Institute of Engineering & Technology Center, Paniv, Solapur on 24th March 2015.
- Delivered an expert lecture on “Solid Modeling” at Govt. polytechnic, Solapur on 15/03/2017.
- Delivered a webinar on “3D printing applications and carrier opportunities” at Shivaji Polytechnic College, Sangola on 3rd June 2020.

Projects, Research Grants and Consultancy

- Generated revenue of Rs. 77,000/- through CNC training in collaboration with MITCON by utilizing the facility of CNC trainer Machine at Mechanical Engineering Department.

Intellectual Property Rights

List of Research Publications

Papers in National/ International Conference

- Presented a paper on “Simulation studies related to Window Heating of Spallation Target for ADS” proceedings of the 33rd national and 3rd international conference on “Fluid mechanics and fluid power” at IIT, Bombay. December 7-9, 2006, IIT Bombay, India, Paper No. NCFMFP2006-1921, ISBN: 81-904262-0-6.
- Presented a national level paper on “Energy Audit of a Cement factory” in national conference on “Recent trends in renewable energy” at VVPIET, Solapur; 19th and 20th Feb 2011.
- Presented a paper on “Recent trends in refrigeration and air conditioning” in national conference in “Future trends in Refrigeration and air conditioning (FTRAC)” at VVPIET, Solapur on 9th and 10th Feb. 2013.
- Presented a paper on “Enhancement of Biogas fermentation by utilization of solar energy” in “International conference on Science and Technology (ICST – 2K14)” at S. B. Patil College of Engineering Indapur, Pune on 21st and 22nd Feb. 2014.
- Presented a paper on “Nanotechnology & Renewable energy” in 2nd national conference on “Emerging trends in Electrical and Electronics Engineering” at VVPIET, Solapur held on 22nd Feb. 2014.
- Presented a paper entitled “Fabrication of composite materials by using short pineapple leaf fiber PALF: A review” in the national conference on “Recent trends in Mechanical Engineering” held at V. V. P. Institute of Engineering & Technology, Solapur on 21st Feb. 2015.

Papers in National/ International Journal

- Published a paper on “New teaching method to teach projection and development of solids” in international journal of engineering research and technology (IJERT), ISSN: 2278-0181, Vol. 2, Issue 2, Feb. 2013.
- Published a paper on “Fabrication of composite materials by using short pineapple leaf fiber PALF: A review” in International Journal of Innovations in Engineering Research and Technology (IJERT), ISSN: 2394-3696, published online in special issue (RTME - 2015) Feb. 2015.
- Published a paper on “Finite Element Analysis and Experimental Study of Composite Leaf Spring” in International Journal of Innovations in Engineering Research and Technology (IJERT), published online in special issue (RTME - 2016) Feb. 2016.
- Published a paper on “Review of threaded fasteners loosening and its effects” in International Journal of Innovations in Engineering Research and Technology (IJERT), Vol. 3, Issue 1, Jan. 2016.
- Published a paper on “Design & Analysis of Steering System Drag Link against Buckling Loads for Tipper Application” in International Journal of Innovations in Engineering Research and Technology (IJERT), ISSN: 2394-3696, Vol. 3, Issue 2, Feb. 2016.
- Published a paper on “Effect of fiber length on mechanical properties of PALF reinforced bisphenol : A composite. ” in International Journal of Innovations in Engineering Research and Technology (IJERT), ISSN: 2394-3696, Impact factor (3.535)- 2015-16, Vol. 3, Issue 10, Oct. 2016.

MOOC Certification

NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
06/08/2018	01/10/2018	8 weeks	Processing of Polymers and Polymer Composites	65	Elite
05/02/2018	26/03/2018	8 weeks	Product Design and Manufacturing	70	Elite
25/02/2019	22/04/2019	8 weeks	Basics of Finite Element Analysis – I	76	Elite + Silver
27/01/2020	20/04/2020	12 weeks	Computer Integrated Manufacturing	80	Elite + Silver
14/09/2020	14/12/2020	12 weeks	Engineering Drawing and Computer Graphics	82	Elite + Silver

Coursera Certification

Duration (in Weeks)	Date of Completion	Course Name	Offered by
4 weeks	Aug. 15 2020	Introduction to Mechanical Engineering Design and Manufacturing with Fusion 360	AutoDesk
2 weeks	Nov. 21 2020	The 3D Printing Revolution	University of Illinois at Urbana-Champaign
4 weeks	Oct. 02 2020	3D Printing Applications	University of Illinois at Urbana-Champaign
4 weeks	Sep. 26 2020	3D Printing Software	University of Illinois at Urbana-Champaign

Awards, Achievements and Recognition

- UGC approved Teacher of Solapur University, Solapur for Mechanical Engineering.
- Recognized Postgraduate Teacher of Solapur University, Solapur for M.E. (Mechanical) Course.
- Scored first rank in Engineering Graphics in total strength of 120 students in First Year of Engineering.

Date: 04/04/2021

Place : Aurangabad