

ARVIND J. BHOSALE

CAREER OBJECTIVE:-

1. To obtain a teaching position where my teaching and research experience will be helpful
2. To impart quality education with emphasis on Automotive Engineering and to rectify problems in minds of concerned one's, which they can apply in their professional life.

Teaching Experience:- (8+ Years)

- Worked as Assistant Professor in Mechanical Engg. Department at All India Shree Shivaji Memorial Society's College of Engineering, Pune from July 19, 2013 to Sept. 29, 2016.
- Currently working as Assistant Professor in Automobile Engg. Department at Government College of Engineering and Research, Avasari (Khurd) from 30 Sept. 2016.

EDUCATIONAL DETAILS:-

EXAM/ YEAR	YEAR	MARKS /CGPA	COLLEGE/ SCHOOL	UNIVERSITY/ BOARD	Specialization
Ph.D.	2021- Pursuin g	Pursuin g	MIT-WP University, Pune	MIT-WP University, Pune	Automotive
M.Tech	2011-13	7.90	VIT University	VIT UNI Vellore/ARAI	Automotive
BE	2010-11	64.18	SVERI C.O.E.Pandharpur	SOLAPUR	Mechanical
FINAL (DME)	2007-08	70.46	S.E.S.Polytechnic, Solapur	MSBTE,MUMBA I	Mechanical
HSC (M.C.V.C)	2004-05	70.00	D.J.Gurukul Jr. College, Solapur.	PUNE	Mechanical
SSC	2002-03	48.66	D.J.Gurukul High school Solapur	PUNE	---

TECHNICAL ACHIEVEMENTS:-

NAME OF EVENT	SUBJECT	INSTITUTE	RANK	LEVEL
Project competition	Oscillating steam engine	MMCOE,Pune	I	National
Project competition	Oscillating steam engine	FAMT,Ratnagiri	II	National
Project competition	Oscillating steam engine	WIT,Solapur	II	National

WORKSHOPS/FDP ATTENDED

TITLE OF FDP	DAYS AND DATES	ORGANIZED BY
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Fluid Mechanics	5 Days (December 11-15, 2017)	Zeal College of Engineering, Pune
Foundation Program in ICT for Education	2 Week Equivalent (March 8, 2018 to April 12, 2018)	PMMMNMTT, IIT Bombay
Research Methodology & Patent Filing	5 Days (June 5 - 9, 2018)	ADITRC, Sangli
FDP in Entrepreneurship	10 Days (December 9-20, 2019)	Science and Technology Park, Pune
Fundamentals of Automotive Systems	Jan-Apr 2020 (1.5 week equivalent)	NPTEL, IIT Madras.
Applications of Finite Element Analysis (FEA) and Computational Dynamics (CFD) Using ANSYS”	5 Days (June 13- 17, 2020)	GCOE, Karad.
Research Opportunities in Advanced Manufacturing Processes	7 Days (June 22-28, 2020)	Bharathi Vidyapeeth COE, Pune.
Research and Publication Ethics	5 Days (June 29 – July 3, 2020)	Prof. Ram Meghe Institute of Technology and Research, Amravati
Tools & Techniques for Efficient & Effective Teaching Learning	5 Days (July 6-10, 2020)	Prof. Ram Meghe Institute of Technology and Research, Amravati
Recent Trends in Heat Exchangers (RHTX 2020)	6 Days (July 13-18, 2020)	Walchand College of Engineering, Sangli.
Teaching and Learning Pedagogies	6 Days(July 20-25, 2020)	A. G. Patil Polytechnic, Solapur.
Advances in Automotive Mechatronics	5 Days (July 27-31, 2020)	RV College of Engineering, Bengaluru.
Building an Ecosystem of Innovation and Startup	5 Days (February 01-05 2022)	GCOE, Nagpur

RESEARCH PAPERS:-

TITLE OF RESEARCH PAPER	AUTHORS	VOLUME / ISSUE/ MONTH	JOURNAL NAME
Experimental investigation on the emissions	Sagar Bolbhat, Yogeshwar Aher, Arvind Bhosale	2011	3 rd International Conference on Science, Engineering and

characteristics of a diesel engine in dual fuelmode using ethanol–diesel blends			Technology (SET), VIT University Vellore (TN)
Study of Automotive Exhaust Muffler- 2 Way Approach	Arvind Bhosale , Yogeshwar Aher	2012	4 th International Conference on Science, Engineering and Technology (SET), VIT University Vellore (TN)
A Review on Parametric Optimization of MIG Welding by Taguchi's Method	Chetan B. Vyavahare, Vaibhav N. Jadhav, Rushabh V. Bhagate, Niranjana R. Gadade, Arvind J. Bhosale	Volume 6, Issue 10, Oct 2019	International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 p-ISSN: 2395-0072
Stress Measurement at Knee for Different Limb Alignment by Experimental and FEA	Kiran B. Bansode, Arvind J. Bhosale , Ravi P. Kakde, Vijay Y. Dhepe, Sanjay D. Patil	Volume-8 Issue-5, January 2020	International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, DOI:10.35940/ijrte.E6355.018520
Cylinder Bore Deformation Finite Element Analysis Methodology for Inline Engines and Parametric Optimization	Arvind J. Bhosale , Kiran B. Bansode, Ravi P. Kakde, Vijay Y. Dhepe, Sanjay D. Patil	Volume-8 Issue-5, January 2020	International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, DOI:10.35940/ijrte.C4755.018520
Parameters Affecting the Specific Energy Absorption of Circular Side Impact Beam	Sanjay D. Patil, Dheeraj S. Lengare, Arvind J. Bhosale , Kiran B. Bansode, Rashtrapal B. Teltumade	Volume-9 Issue-3, February, 2020	International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, DOI: 10.35940/ijeat.C6259.029320
Parameters of Side Intrusion Beam Affecting on Crash Force Efficiency During Impact	Sanjay D. Patil, Vijaypatil Y. Dhepe, Dheeraj S. Lengare, Arvind J. Bhosale , Rashtrapal B. Teltumade.	Volume-8 Issue-6, March 2020	International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, DOI: 10.35940/ijrte.F9765.038620

Impact Energy Absorption Capability of Polygonal Cross-Section Thin-Walled Beams under Lateral Impact	Sanjay Patil, Arvind J. Bhosale , Vijaypatil Dhepe, Dheeraj Lengare, Ravi Kakde	Volume- 4 Issue-4 (2021)	International Journal of Innovative Research and Scientific Studies, ISSN: 2617-6548 DOI: 10.53894/ijirss.v4i4.96
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ACADEMIC PROJECTS:-

- Design and development of Cylinder bore deformation FE Analysis methodology for Inline engines, ARAI (PTE Lab), 01/13-06/13 (M.Tech Dissertation)
- Study of Automotive Exhaust Muffler- 2 Way Approach, VIT University, 07/11-11/11
- Experimental investigation on the emissions characteristics of a diesel engine in dual fuel mode using ethanol–diesel blends, VIT University, 01/12-05/12
- Prototype of Oscillating Steam Engine, SVERI's COE Pandharpur, 06/10-05/11 (BE Project)
- Twin Worm Gear Self Locking Lifting Machine. SESP, Solapur, 06/07-05/08 (DME Project)

SUBJECT TAUGHT:-

- Automotive Systems and Testing
- Automotive Transmission
- Automotive Electricals and Electronics
- Metrology and Quality Control
- Operation Research
- Vehicle Maintenance and Service Practice
- Vehicle Performance and Testing

HONORS:-

- Awarded with “Aadarsh Vidyarthi (Ideal Student)” in 12th.
- Ranked **third** in 12th std Class.
- Ranked **fourth** in VIT University Vellore (TN) Masters Entrance Exam.
- Co-Author of book on **Applied Thermodynamics, Technical Publication Pune**
- Ranked **first** in MPSC Interview.
- MPPSC ESE Paper Setter.