

ARVIND J. BHOSALE

CAREER OBJECTIVE:-

1. To leverage my expertise in automotive engineering to inspire and educate future engineers by fostering a strong foundation in theoretical concepts and practical applications, empowering students to excel in their academic and professional pursuits.
2. To actively engage in research and innovation in advanced automotive technologies, contributing to development of sustainable and intelligent mobility solutions while building collaborative partnerships with industry and academia.

Teaching Experience:- (11+ 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- Pursuing	Pursuing	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,MUMBAI	Mechanical

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

Sr. No	TITLE OF FDP	DAYS AND DATES	ORGANIZED BY
1	Fluid Mechanics	5 Days (December 11- 15, 2017	Zeal College of Engineering, Pune
2	Foundation Program in ICT for Education	2 Week Equivalent (March 8, 2018 to April 12,2018)	PMMMMNMTT, IIT Bombay

3	Research Methodology & Patent Filing	5 Days (June 5 - 9, 2018)	ADITRC, Sangli
4	FDP in Entrepreneurship	10 Days (December 9-20, 2019)	Science and Technology Park, Pune
5	Fundamentals of Automotive Systems	Jan-Apr 2020 (1.5 week equivalent)	NPTEL, IIT Madras.
6	Applications of Finite Element Analysis (FEA) and Computational Dynamics (CFD) Using ANSYS”	5 Days (June 13- 17, 2020)	GCOE, Karad.
7	Research Opportunities in Advanced Manufacturing Processes	7 Days (June 22-28, 2020)	Bharathi Vidyapeeth COE, Pune.
8	Research and Publication Ethics	5 Days (June 29 – July 3, 2020)	Prof. Ram Meghe Institute of Technology and Research, Amravati
9	Tools & Techniques for Efficient & Effective Teaching Learning	5 Days (July 6-10, 2020)	Prof. Ram Meghe Institute of Technology and Research, Amravati
10	Recent Trends in Heat Exchangers (RHTX 2020)	6 Days (July 13-18, 2020)	Walchand College of Engineering, Sangli.
11	Teaching and Learning Pedagogies	6 Days(July 20-25, 2020)	A. G. Patil Polytechnic, Solapur.
12	Advances in Automotive Mechatronics	5 Days (July 27-31, 2020)	RV College of Engineering, Bengaluru.
13	Building an Ecosystem of Innovation and Startup	5 Days (February 01-05 2022)	GCOE, Nagpur
14	Industry led Innovation and Cutting Edge Technologies	5 Days (September 11-15 2023)	MSFDA, Pune in Collaboration with Vishwakarma University, Pune
15	Foundation Training Program for Class-I officers of Higher and Technical Education and Planning Department	30 Days (November 20- December 19 2023)	Yashwantrao Chavhan Academy of Development Administration (YASHADA), Pune

RESEARCH PAPERS:-

Sr. No	TITLE OF RESEARCH PAPER	AUTHORS	VOLUME / ISSUE / MONTH	JOURNAL NAME	Indexing
1	Experimental investigation on the emissions characteristics of a diesel	Sagar Bolbhat, Yogeshwar Aher, Arvind Bhosale	2011	3 rd International Conference on Science, Engineering	NIL

	engine in dual fuel mode using ethanol–diesel blends			and Technology (SET), VIT University Vellore (TN)	
2	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)	NIL
3	A Review on Parametric Optimization of MIG Welding by Taguchi's Method	Chetan B. Vyavahare, Vaibhav N. Jadhav, Rushabh V. Bhagate, Niranjan 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	Google Scholar
4	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	Google Scholar
5	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	Google Scholar
6	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	Google Scholar
7	Parameters of Side Intrusion Beam Affecting on Crash Force Efficiency During Impact	Sanjay D. Patil, Vijaypatil Y. Dhepe, Dheeraj S. Lengare, Arvind J. Bhosale ,	Volume-8 Issue-6, March 2020	International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878,	Google Scholar

		Rashtrapal B. Teltumade.		DOI: 10.35940/ijrte.F9765.038620	
8	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/ijrss.v4i4.96	Scopus
9	Numerical Study on Crashworthiness of Polygonal Cross-Section Thin-Walled Beams Under Quasi Static Bending	Sanjay Patil, Arvind J. Bhosale , Vijaypatil Dhepe, Dheeraj Lengare, Kiran Bansode, Rashtrapal Teltumade	Vol.17 Issue-4 Feb-2022	ARPN Journal of Engineering and Applied Sciences, ISSN: 1819-6608	Scopus
10	3-D Numerical Study of Effect of Urea Injector Location and Intake Cone Geometry on SCR Performance	Arvind J. Bhosale , Sanjay Patil, Vijaypatil Dhepe, Kiran Bansode, Ravi Kakde. Rashtrapal Teltumade Dheeraj Lengare	Volume-5 Issue-2 Mar-2022	International Journal of Innovative Research and Scientific Studies, ISSN: 2617-6548 DOI: 10.53894/ijrss.v5i2.378	Scopus
11	Efficient ways of thermal management of an EV battery	Arvind J. Bhosale , Vaibhav N. Deshmukh	Volume 72, Part 3, 2023	Materials Today: Proceedings (2nd International Conference and Exposition on Advances in Mechanical Engineering.)	Scopus
12	A comprehensive assessment of emerging trends in battery thermal management systems	Arvind J. Bhosale , Vaibhav N. Deshmukh, Mangesh Choudhari	Volume 46, article number 145, 2024	Journal of the Brazilian Society of Mechanical Sciences and Engineering (Springer)	SCIE, Scopus

ACADEMIC PROJECTS:-

- Design and development of Cylinder bore deformation FE Analysis methodology for Inline engines, ARAI, Pune (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 Testing and Certification
- Automotive Chassis and Transmission
- Automotive Electricals and Electronics
- Metrology and Quality Control
- Operation Research
- Vehicle Maintenance and Service Practice

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 **Fundamentals of Hybrid and Electric Vehicles, Khanna Publishers, New Delhi**
- Co-Author of book on **Applied Thermodynamics, Technical Publication, Pune**
- Ranked **first** in MPSC Interview.