

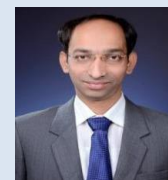
Dr. Jayant H. Bhangale

B-2, Suyash Row House, Krishna Park,
Panchak, Jail Road, Nashik Road, Nashik, Pin- 422101.

Date of Birth: 17th May 1975

Phone: 09850660573

Email: bhangale100@gmail.com



Professional Objective:

To secure a position as a teacher and utilize my dedication to foster quality education required for a student's development.

Academic Records:				
Course	Institute	University	Year of Passing	% Marks/Class
Ph.D. (Mech. Engg.)	Laxminarayan Institute of Technology (LIT), Nagpur	Nagpur	2017	Awarded
M.E. (Mech. Engg.)	COE, Badnera	Amaravati	2008	76.75% 1st Distn. (Gold Medal)
M.M.S. (Operations Management)	Vivekanand IMS & R, Chembur	Mumbai	2000	58.55% B+ Grade
B.E. (Mech. Engg.)	COE, Jalgaon	NMU, Jalgaon	1997	68.50% 1st Distn.
D.M.E. (Mech. Engg.)	Govt. Poly., Jalgaon	MSBTE, Mumbai	1993	71.00% 1st Class

Employment Details: 24 Years Teaching & 02 Years Industrial Experience			
Experience:	University Approval History -		
	Designation	Valid From Date	Valid To Date
	Professor	08/02/2018	Till date
	Associate Professor	01/12/2010	07/02/2018
	Assistant Professor	09/01/2009	14/06/2010
	Lecturer	30/07/2002	08/01/2009
Ph.D. Guidance	Ph.D. students successfully guided/awarded : 02 Ph.D. pursuing students : 04		
Current Designation	Dean Research & Development from 01/05/2026 Head of Mechanical Engineering Department from 15/06/2010 to 31/04/2026		
Name of Employer	Matoshri College of Engineering and Research Centre, Nashik		
Date of Joining	15th June, 2010 (UGC approved from 01 st Dec. 2010)		
Key Responsibilities	- Handle the operations of Department - Develop information and resources for the specific area of support - Established required practical laboratories, Workshop - Chief Examination Officer (03 Years: 2011-2014) - Admission Coordinator - Approved PG Teacher - Research Guide at Savitribai Phule Pune University, Pune - Coordinator for NAAC Accreditation Tasks - Coordinator for NBA Accreditation Tasks - Coordinator, Autonomy DPR		

Earlier Employment Record:	
Designation	Assistant Professor-Mech. Engg.
Name of Employer	SNJB's college of Engineering, Chandwad, , Dist. Nasik.(Affiliated To University Of Pune)
Duration	- Jan. 10th 2009 – June 14th 2010 (01 Year & 06 Months) - UGC approved from 26th May, 2010
Key Responsibilities	- Coordinator – AICTE Work / Web portal work - Coordinator for MBA - Preparation of Detailed project Report for MBA-academic year 2010-2011. - Senior supervisor – University examination, Pune. - Coordinator – Interdisciplinary activities / Seminar / conferences - Member- Syllabus Revision committee of Design engg. group & CAD/CAM Group, Pune university.
Designation	Lecturer- Mech. Engg.
Name of Employer	Konkan Gyanpeeth College Of Engg. Karjat , Dist. Raigad. (Affiliated To University Of Mumbai)
Duration	- Aug. 1st 2001 – Jan. 09th 2009 (07 Years & 04 Months) - UGC approved from 28th March 2002
Key Responsibilities	- Examination Coordinator for Mech. Dept. & Prod. Dept. - Project Incharge for Mech. Dept. - Industrial visit Coordinator - Examination CAP Incharge for 02 year
Designation	Programmer- E-Commerce technology
Name of Employer	SoftsPark Technologies Pvt. Ltd., Mittal Estste, Andheri (E), Mumbai.
Duration	June 2000 – May 2001 (01 Year)
Key Responsibilities	- Web Design & Web Development include - Server side Programming:-Active server Pages. - Web Scripting languages:- HTML, DHTML, JavaScript, VBScript. - Scripting tool:- Visual InterDev. - Additional Environment:- MTS , IIS. - RDBMS:- SQL Server 7.0,MS-Access - Application development tools:- Visual Basic 6.0 - Operating System:- Windows 95, Windows NT - MS Office-97
Designation	Graduate Engg.Trainee (GET)
Name of Employer	XLO INDIA LTD., Satpur, Nasik
Duration	July 97 - July 98 (01 Year)
Key Responsibilities	- Tool Design , Product Engg. Dept. - Design of Jigs & Fixture in Tool Engg. Dept. - Worked on ISO 9000 implementation program - Worked in Product Engg. Dept. - Design of TAFE TRACTOR-Steering Gear Assembly - Development of R&D Fixtures

Designation	▪ Trainee Engineer
Name of Employer	▪ VIP Industries Ltd., Jalgaon. (Soft Luggage Plant)
Duration	▪ May 94 - June 94
Key Responsibilities	▪ Process Planning Dept. ▪ Sandwich Training during Post Diploma In Tool Engg. ▪ Design & Development of Tools for double niddle Stitching M/c for Stitching as well as Piping Process of Sky bag. ▪ Design & Development of compound die for Inner Lock strip.
Research Interest	Automobile Industries, Simulation, Cellular Layout
PhD Research Work	Parametric studies in Automobile Manufacturing Industry using Cell focused Plant Simulation approach
Subjects Taught	▪ Metallurgy ▪ CAD/CAM ▪ Quality Control ▪ BME-Part II ▪ Industrial Engg. & Management ▪ Production Technology ▪ Economics, Costing , Finance & Accounting ▪ Human Resource Development & Management Science ▪ Design Of Press tools ▪ Design of Jigs & Fixtures ▪ Production Processes-II ▪ Material Technology ▪ Metrology & Instrumentation ▪ Machine Drawing ▪ Theory Of Machine
Honors & Awards	▪ Received “Certificate of Merit” -1st Class 1st with Gold Medal at M.E. level (Amaravati University) ▪ Topper in Engg. Metallurgy subject – University Exam.at UG level ▪ Scholarship at middle school level awarded by Board ▪ Recipient of “Best paper award” at PG Conference- MEPCON 2015 COE, Badnera
Grants Received	▪ Received a grant from University of Pune for 01 day workshop titled “Entrepreneurships Force in Rural Development” BCUD/578 dated 22 Jan 2016. ▪ Received a grant from DST-NIMAT for 03 day workshop titled “Entrepreneurships Awareness Camp” EDD/DST-NIMAT/17-18/430/26-04-2017.
Value Propositions :	
Association with Professional Societies	Life member of IE(I) (Member M-157154-5, 2017)
Association with	▪ Reviewer for Springer Nature Journals : ○ Journal of Industrial Engineering International

Conferences and Journals	○ Journal of Materials Science (JMSC) ○ Journal of Vibration Engineering & Technologies (JVET) ○ Journal of The Institution of Engineers (India): Series C ▪ Reviewer for European Journal of Operational Research - ScienceDirect ▪ Reviewer for SNJB'COE International Conference, Chandwad.
Workshop/Seminars/ STTP/Conferences attended: 19	
Workshop/Seminars/Conferences organized: 20+ for Dept.	
Publications:	

Date of Ph.D. Convocation date: 03/12/2017

Sr.No.	Database	Number of Publications	Out of which No. of Publication at the level of Associate Professor	No. of Publication after PhD
1	Scopus Indexed/ SCI	14	14	14
2	UGC CARE List	15	11	11
3	Other International Journal	23	00	00
Total		52	25	25

1. Research Paper :-

Sr. No	Name of Authors	Title of Paper	Journal	ISBN/ISSN	Publisher	Indexing	Year of Publication
1	J. H. Bhargale, A. M. Mahalle	Performance Issues of CMS in Automobile Industries using Computer Simulation	IJCA, Volume 52, No.5, 31-34	0975 – 8887	International Journal of Computer Applications		2012
Journal Link: https://www.ijcaonline.org/ Paper Link: https://research.ijcaonline.org/volume52/number5/pxc3881593.pdf							
2	Mr. Katala Ganesh Dhanaji, Prof. J.H.Bhargale	Natural Frequency and Mode Shape Analysis of Circular Cutters	IOSR Journal of Engineering , Volume 02, Issue 12, PPN 61-65	2250-3021	International organization of Scientific Research (IOSR)	UGC Approved (Old)	2012
Journal Link: https://www.iosrjen.org/ Paper Link: https://iosrjen.org/Papers/NSER'2012/N0286165.pdf							
3	Jayant H. Bhargale, Dr. Ashish M. Mahalle	Parametric Studies In Automobile Manufacturing Industry Using Cell Focused Plant Layout Simulation Approach	European Scientific Journal, vol.9, No.9, 261-275	1857- 7431	European Scientific Journal	Index Copernicus	2013
Journal Link: https://eujournal.org/index.php/esj Paper Link: https://eujournal.org/index.php/esj/article/view/923							
4	Patil Deepak P. *, Prof. Bhargale J.H., Prof. Palande D.D.	Comparative Analysis of Various Condenser in Vapour Compression Refrigeration System	IJESRT, Volume 03, Issue 09 503-515	2277-9655	International Journal of Engineering Sciences & Research Technology	UGC Approved	2014
Journal Link: www.ijesrt.com Paper Link: https://www.academia.edu/9154506/Comparative_Analysis_of_Various_Condenser_in_Vapour_Compression_Refrigeration_System							
5	Kiran S Bhusal J . H. Bhargale	Study and Investigation of Heat Transfer Enhancement of Car Radiator by using Nano Fluid – Review	IJERT, Vol. 3 Issue 10, 178-185	2278-0181	International Journal of Engineering Research and Technology		2014
Journal Link: www.ijert.org Paper Link: https://www.ijert.org/research/study-and-investigation-of-heat-transfer-enhancement-of-car-radiator-by-using-nano-fluid-review-IJERTV3IS100219.pdf							
6	S D Katkade*, J H Bhargale, D D Palande	A Review: Fin and Tube Heat Exchanger Performance with different Fin Pattern	IJESRT, Vlume 03, Issue 12 165-168	2277-9655	International Journal of Engineering Sciences & Research Technology	UGC Approved	2014
Journal Link: www.ijesrt.com Paper Link: https://www.academia.edu/10098023/A_Review_Fin_and_Tube_Heat_Exchanger_Performance_with_different_Fin_Pattern							
7	1D.P.Patil 2J.H.Bhargale 3K.S.Deshmukh	Experimental Analysis of Refrigeration system using Microchannel condenser & Round Tube condenser	International Journal of Innovative Research in Advanced Engineering (IJIRAE), Volume 1 Issue 5, 192-198	2349-2163	International Journal of Innovative Research in Advanced Engineering (IJIRAE)		2014
Journal Link: http://ijirae.com Paper Link: https://www.slideshare.net/IJIRAE/experimental-analysis-of-refrigeration-system-using-microchannel-condenser-round-tube-condenser							
8	Prof. Jayant Hemachandra Bhargale1 , Dr. Ashish. Manoharrao Mahalle2	Studies Of Productivity Improvement In Indian Automobile Industries Plant Layout	IJATES, Volume No 03, Special Issue No. 01, 254-263	2348 – 7550	International Journal of Advanced Technology in Engineering and Science		2015
Journal Link: www.ijates.com Paper Link: http://ijates.com/images/short_pdf/1425056007_P254-263.pdf							
9	V. U. Elavande 1, Prof. J. H. Bhargale 2, Prof. D. D. Palande 3	Review - Effect on geometry of evaporator coil for refrigerator enhancing efficiency of heat transfer	IJERGS, Volume 3, Issue 3, 1212-1215	2091-2730	International Journal of Engineering Research And Generic Science		2015
Journal Link: www.ijergs.org Paper Link: http://pnrsolution.org/Datacenter/Vol3/Issue3/157.pdf							
10	Santosh D Katkade1, Prof J H Bhargale 2, Prof D D Palande3	Experimental Investigation of Spiral Fin Tube Heat Exchanger with Different Fin Thickness	IJRAT, Vol.3, No.1, 129-131	2321-9637	International Journal of Research in Advent Technology		2015
Journal Link: www.ijrat.org Paper Link: https://ijrat.org/downloads/Vol-3/jan-2015/paper%20ID-31201544.pdf							

11	Niraj B. Dole #1, Jayant H. Bhangale *2	A review on effect of backpressure on exhaust system	IORJ Journal of Science & Technology, Volume 3, Issue 1, PP 163-168	2348-0831	IORJ Journal of Science & Technology		2016
Journal Link: www.iord.in , https://iord.in/index.php/iord Paper Link:							
12	Pratap R. Sonawane Jayant H. Bhangale	A review of parabolic solar dish collector	IORJ Journal of Science & Technology, Volume 3, Issue 1, PP 146-150	2348-0831	IORJ Journal of Science & Technology		2016
Journal Link: www.iord.in , https://iord.in/index.php/iord Paper Link:							
13	J. H. Bhangale, A. M. Mahalle	Layout based analysis and investigation of Auto component manufacturing industry - case study	Industrial Engineering Journal, Volume : IX, Issue 7, 101-105,	0970-2555	Indian Institution of Industrial Engineering, CBD Belapur, Navi Mumbai.	UGC Care-1	2016
Journal Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101001963&flag=Search Paper Link: Print Edition only							
14	Dr. J. H. Bhangale1, Mr. A. B. Kulkarni2	A Review of the Effects of Biodiesel from Different Feedstock on Engine Performance and Emissions	IRJET , Volume: 04 Issue: 07, 3273-3279	2395-0056	International Research Journal of Engineering and Technology		2017
Journal Link: www.irjet.net Paper Link: https://www.irjet.net/archives/V4/i7/IRJET-V4I7652.pdf							
15	Dr. J. H. Bhangale*, D. A. Bendale, Prof. V. S. Daund	A Review on Heat Transfer Enhancement by Using Helical Coil Heat Exchanger	IJSRST, Volume: 03 Issue: 07, 373-376	2395-6011	International Journal of Scientific Research in Science and Technology		2017
Journal Link: www.ijsrst.com Paper Link: https://ijsrst.com/IJSRST173772							
16	J.H.Bhangale1, Shital Bhosale2	Experimental Investigation on heat transfer of cylindrical oblique fin micro-channel heat exchanger for Automobile Engine cooling system	IRJET , Volume: 04 Issue: 08 , 760-767	2395-0056	International Research Journal of Engineering and Technology		2017
Journal Link: www.irjet.net Paper Link: https://www.irjet.net/archives/V4/i8/IRJET-V4I8134.pdf							
17	Dr. J. H. Bhangale	Study of Solar Energy Storage in Solar Cooker with Phase Change Materials and Improving its Performance	IJSRSET, Volume 3 , Issue 6 , 6-64	2454-7875	International Journal of Scientific Research in Science and Technology		2017
Journal Link: www.ijsrset.com Paper Link: https://ijsrset.com/IJSRSET1734149							
18	J H BHANGALE H M DATE	Performance Evaluation And Comparative Analysis Of Mirror Augmented, 2d And 3d Compound Parabolic Concentrator Based Pv Systems	International Journal of Research Publications in Engineering and Technology [IJRPET], VOLUME 3, ISSUE 8, 45-51	2454-7875	International Journal of Research Publications in Engineering and Technology [IJRPET]		2017
Journal Link: www.ierjournal.org Paper Link: http://www.ierjournal.org/pupload/mechpgcon2017/Performance%20Evaluation%20and%20Comparative%20Analysis%20of%20Mirror%20Augmented%20and%203D%20CPC%20Based%20PV%20Systems.pdf							
19	Chine Shweta C1, Dr. J. H. Bhangale2	A literature review on investigation of design parameter of cyclone separator	IRJET, Volume: 05 Issue: 11, 1708-1710	2395-0056	International Research Journal of Engineering and Technology		2018
Journal Link: www.irjet.net Paper Link: https://www.irjet.net/archives/V5/i11/IRJET-V5I11323.pdf							
20	Mr. Janardhan K. Bhor1, Dr. J. H. Bhangale2	Experimental Study of Heat Transfer Enhancement in Tube in Tube Heat Exchanger Using Corrugated tube and Twisted Tape	IRJET, Volume: 05 Issue: 07, 733-741	2395-0056	International Research Journal of Engineering and Technology		2018
Journal Link: www.irjet.net Paper Link: https://www.irjet.net/archives/V5/i7/IRJET-V5I7195.pdf							
22	1Chine Shweta C., 2Dr. J.H.Bhangale, 3Prof. K.R. Sonawne	CFD analysis for investigation of design parameter of cyclone separator	IJEDR, Volume 7, Issue 3, 461-467	2321-9939	International Journal Of Engineering Development And Research		2019
Journal Link: www.ijedr.org Paper Link: https://www.ijedr.org/papers/IJEDR1903077.pdf							

23	A.P.Bagal Dr. J.H. Bhargale	Experimental Analysis of Convective Heat Transfer from Plate Fin Array on a Exhaust Pipe of EGR System	IJSRET, Volume 5, Issue 4, 1280-1285	2395-566X	International Journal of Scientific Research Engineering &Technology		2019
Journal Link: www.ijsret.com Paper Link: https://ijsret.com/wp-content/uploads/2019/07/IJSRET_V5_issue4_373.pdf							
24	Jayant H. Bhargale, Ajay L. Krishnani	Experimental and Numerical Delving Of Full Spiral Shell and Tube EGR Cooler	International Journal of Recent Technology and Engineering IJRTE, Volume-8 Issue-4, 1227-1234	2277-3878	India, Blue Eyes Intelligence Engineering and Sciences Publication	SCI, SCOPUS	2019
Scopus Link: https://www.scopus.com/sourceid/21100889873 Journal Link: https://www.scimagojr.com/journalsearch.php?q=International+Journal+of+Recent+Technology+and+Engineering Paper Link: https://www.ijrte.org/wp-content/uploads/papers/v8i4/C4988098319.pdf							
25	Dr.Jayant H.Bhargale, Mr.Akshay P.Bagal	Experimental Analysis Of Convective Heat Transfer From Plate Fin Array On An Exhaust Pipe Of EGR System	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue 6, 779-787	2349-5162	Journal of Emerging Technologies and Innovative Research (JETIR)	UGC Approved	2019
Journal Link: www.jetir.org Paper Link: https://www.jetir.org/papers/JETIR1907G07.pdf							
26	VS Daund, J H Bhargale	Effect of Low Aspect Ratio on Convective Heat Transfer from Rectangular Fin Array in Mixed Convection	JARMET, Volume 7, Issue 1&2 , 181-186	2454-8650	JARMET		2020
Journal Link: www.jarmet.org Paper Link: https://www.researchgate.net/publication/316664548_Effect_of_Low_Aspect_Ratio_on_Convective_Heat_Transfer_from_Rectangular_Fin_Array_in_Natural_Convection							
27	Janardhan K. Bhor, Dr. Jayant H. Bhargale	Effect of Ferrofluids in Laminar Flow Applications in the Performance of PTSC: A Review Approach	NeuroQuantology, Volume 20 Issue 22, Page516-532	1303-5150	NeuroQuantology, Turkey	SCI, Scopus	2022
Scopus Link:- https://www.scopus.com/sourceid/11600154151 Journal Link: https://www.scimagojr.com/journalsearch.php?q=11600154151&tip=sid&clean=0 Paper Link: https://www.neuroquantology.com/open-access/Effect-of-Ferrofluids-in-Laminar-Flow+Applications+in+the+Performance+of++PTSC%253A+A+Review+Approach+1861/							
28	Pratap R. Sonawane Jayant H. Bhanagle	Analysis of cutting fluid on minimum quantity lubrication by using vegetable oil	Materials Today, Volume 68, Part 6, , 2022, Pages 2435- 2442	2214-7853	Elsevier Ltd.	SCI, Scopus	2022
Scopus Link: https://www.scopus.com/sourceid/24769 Journal Link: https://www.scimagojr.com/journalsearch.php?q=2214-7853 Paper Link: https://www.sciencedirect.com/science/article/abs/pii/S2214785322059466?via%3Dihub							
29	Mrs. Ankita K. Patil, Dr. Jayant H. Bhargale, Dr. Charushila J. Bhargale, Dr. Ashish M. Mahalle	IMPACT OF INDUSTRY 4.0 ON SUPPLY CHAIN MANAGEMENT	Industrial Engineeri ng Journal, Volume : 52, Issue 7 , No. 4, 101-105	0970-2555	Indian Institution of Industrial Engineering, CBD Belapur, Navi Mumbai.	UGC Care-1	2023
UGC Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101001963&flag=Search Journal Link: http://www.journal-iiie-india.com/Previous.html Paper Link: http://www.journal-iiie-india.com/1_july_23.html							
30	Mrs. Ankita K. Patil, Dr. Jayant H. Bhargale, Dr. Charushila J. Bhargale,	A REVIEW: HUMAN MODELS IN AN INDUSTRIAL APPLICATIONS	Industrial Engineeri ng Journal, Volume : 52, Issue 7 , No. 3, 139-149	0970-2555	Indian Institution of Industrial Engineering, CBD Belapur, Navi Mumbai.	UGC Care-1	Aug. 2023
UGC Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101001963&flag=Search Journal Link: http://www.journal-iiie-india.com/Previous.html Paper Link: http://www.journal-iiie-india.com/1_july_23/19.3_7.pdf							
31	Dr. P. R.Sonawane* Dr. Jayant H.Bhargalef Mr. N. B. Dole, Mr. Chirag Kolambe h	Advances in Injection Molding Processes and Materials for Engineering Applications	Eur. Chem. Bull., 12(Special Issue 4), 6606-6615	2063-5346	Hungary, Deuton-X Ltd..	Scopus	Aug. 2023
Journal Link : https://www.scimagojr.com/journalsearch.php?q=21100898023&tip=sid&clean=0 Paper Link: https://www.eurchembull.com/archives/volume-12/special%20issue-4/3755							
32	Mrs. Ankita K. Patil, Dr. Jayant H. Bhargale	A SURVEY : BIODIESEL AN EFFICIENT SOURCE	Eur. Chem. Bull., 12(Special Issue 4), 3801-3809	2063-5346	Hungary, Deuton-X Ltd.	Scopus	Sept. 2023
Journal Link : https://www.scimagojr.com/journalsearch.php?q=21100898023&tip=sid&clean=0 Paper Link: https://www.eurchembull.com/archives/volume-12/special%20issue-4/3001							

33	Kiran A. Chaudhari, Jayant H. Bhangale	A Review of Tribological Behavior of Composites/Polymers/Polymer Composites under Variable Loading	Indian Journal of Technical Education, Vol. 46 Special Issue PP- 295-303	0971-3034	Indian Society for Technical Education (ISTE), New Delhi	UGC Care-1	Sept. 2023
UGC Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101051826&flag=Search Journal Link : http://www.isteonline.in/Viewtopics.aspx?MenuId=IJTE_Special_Issue_1416 Paper Link: http://www.isteonline.in/Datafiles/cms//Special%20Issues//Special%20issue%20Aug%202023.pdf							
34	Deepak P. Patil, Jayant H. Bhangale	Review on Cellulose Fibre Insulation considering Thermal and Mechanical Properties	Indian Journal of Technical Education, Vol. 46 Special Issue - 304-307	0971-3034	Indian Society for Technical Education (ISTE), New Delhi	UGC Care-1	Sept. 2023
UGC Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101051826&flag=Search Journal Link : http://www.isteonline.in/Viewtopics.aspx?MenuId=IJTE_Special_Issue_1416 Paper Link: http://www.isteonline.in/Datafiles/cms//Special%20Issues//Special%20issue%20Aug%202023.pdf							
35	Sandip S Patil, Jayant H. Bhangale	A Review on Cattle Transportation and Available Facility: A Special Emphasis on Indian Continent	Indian Journal of Technical Education, Vol. 46 Special Issue - 317-322	0971-3034	Indian Society for Technical Education (ISTE), New Delhi	UGC Care-1	2023
UGC Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101051826&flag=Search Journal Link : http://www.isteonline.in/Viewtopics.aspx?MenuId=IJTE_Special_Issue_1416 Paper Link: http://www.isteonline.in/Datafiles/cms//Special%20Issues//Special%20issue%20September%202023.pdf							
36	P. R. Sonawane, N. B. Dole, Jayant H. Bhangale, Shyam Sing Thakur	Applications on Injection Molding Technique using Non-metals: Review	Indian Journal of Technical Education, Vol. 46 Special Issue - 327-334	0971-3034	Indian Society for Technical Education (ISTE), New Delhi	UGC Care-1	2023
UGC Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101051826&flag=Search Journal Link : http://www.isteonline.in/Viewtopics.aspx?MenuId=IJTE_Special_Issue_1416 Paper Link: http://www.isteonline.in/Datafiles/cms//Special%20Issues//Special%20issue%20September%202023.pdf							
37	Niraj B Dole, Ankita K Patil, Jayant H Bhangale, Pratap Ramesh Sonawane	To Evaluate the Impact of CuO Additives in Argemone Mexicana Biofuel to Reduce the Harmful Emission of Diesel Fuel on 4-Strokes Diesel Engine	Indian Journal of Technical Education, Vol. 46 Special Issue - 335-344	0971-3034	Indian Society for Technical Education (ISTE), New Delhi	UGC Care-1	2023
UGC Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101051826&flag=Search Journal Link : http://www.isteonline.in/Viewtopics.aspx?MenuId=IJTE_Special_Issue_1416 Paper Link: http://www.isteonline.in/Datafiles/cms//Special%20Issues//Special%20issue%20September%202023.pdf							
38	Mr. Pradyumana M. Bora, Dr. J. H. Bhangale	Bringing Lean Manufacturing Principles and Industry 4.0 Technologies Together: A Comprehensive Review	Library Progress International Vol.43 No. 2, Jul-Dec 2023: P.14306-14314	eISSN: 2320-317X pISSN: 0970-1052	BPAS Publications, India	SCOPUS	2023
Scopus Link: https://www.scopus.com/sourceid/21101204534 Journal Link : https://bpasjournals.com/library-science/index.php/journal/index Paper Link: https://bpasjournals.com/library-science/index.php/journal/article/view/2691							
39	Kiran A. Chaudhari, Jayant H. Bhangale	Tribological Behavior of Polymer and Polymer Composite Material under Static Loading in the Context of Rolling Contact Bearing: A Review	Library Progress International Vol.43 No.2, Jul-Dec 2023: P. 419-428	eISSN: 2320-317X pISSN: 0970-1052	BPAS Publications, India	SCOPUS	2023
Scopus Link: https://www.scopus.com/sourceid/21101204534 Journal Link : https://bpasjournals.com/library-science/index.php/journal/index Paper Link: https://bpasjournals.com/library-science/index.php/journal/article/view/3667/3915							
40	Sandip S. Patil, Jayant H. Bhangale	Improving Cattle Transport Systems: A Comprehensive Review of Design, Welfare, and Technology	Library Progress International ol.43 No.2, Jul-Dec 2023: P. 456-460	eISSN: 2320-317X pISSN: 0970-1052	BPAS Publications, India	SCOPUS	2023
Scopus Link: https://www.scopus.com/sourceid/21101204534 Journal Link : https://bpasjournals.com/library-science/index.php/journal/index Paper Link: https://bpasjournals.com/library-science/index.php/journal/article/view/3666/3916							
41	Sandip S. Patil, Jayant H. Bhangale	Modular and Flexible Cattle Cage Design for Enhanced Safety and Adaptability in Local Goods Carrier Vehicles	Industrial Engineering Journal, Volume : 54, Issue 1 , No.4, P. 35-39	0970-2555	Indian Institution of Industrial Engineering, CBD Belapur, Navi Mumbai.	UGC Care-1	2025
UGC Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101001963&flag=Search Journal Link : https://www.iiie-india.com/IIIE/ie-journal.php Paper Link: http://www.journal-iiie-india.com/1_jan_25.html							

42	Nitin V. Lokare, Jayant H. Bhargale	Overview of Effect of Laser Hardening Process for Improvement of Surface Hardness	Indian Journal of Technical Education, Vol. 48 Special Issue No. 1, PP-12-19	0971-3034	Indian Society for Technical Education (ISTE), New Delhi	UGC Care-1	2025
UGC Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101051826&flag=Search Journal Link : http://www.isteonline.in/Viewtopics.aspx?MenuId=IJTE_Special_Issue_1416 Paper Link: http://www.isteonline.in/Datafiles/cms//IJTE%20Spe.%20Issue%202025//IJTE%20Spl%20issue%201%20January%202025.pdf							
43	Ankita K. Patil, Dr. Charushila Bhargale, Dr. Jayant H. Bhargale,	Future Fuel: A Bio-Fuel As An Alternate Source To Fossil Fuels	Industrial Engineering Journal, Volume : 54, Issue 2 , No.1, February : 20 25	0970-2555	Indian Institution of Industrial Engineering, CBD Belapur, Navi Mumbai.	UGC Care-1	2025
UGC Link: https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101001963&flag=Search Journal Link : https://www.iiie-india.com/IIIE/ie-journal.php Paper Link: http://www.journal-iiie-india.com/1_feb_25/6.1_feb.pdf							
44	Kiran A. Chaudhari, Jayant H. Bhargale	Tribological Behavior of Unfilled PTFE under Static Loading in Dry Sliding Condition: A Taguchi-ANN Perspective	Journal of Materials Science: Materials in Engineering	3004-8958	Springer Nature , NEW YORK, United States	SpringerOpen Web of Science (SCI)	2025
SpringerOpen Link: https://jmsg.springeropen.com/ WOS Link: https://mjil.clarivate.com://search-results?issn=3004-8958&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journ Paper Link: https://jmsg.springeropen.com/articles/10.1186/s40712-025-00233-8							
45	Sandip S. Patil, Jayant H. Bhargale	Improving Cattle Transport Safety in India: A CFD-Based Analysis of Cage Structures	Metallurgical and Materials Engineering	2217-8961	TechnoFit Academic Publishers LLC, United States.	Web of Science (SCI)	2025
WOS Link: https://mjil.clarivate.com://search-results?issn=2217-8961&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal Paper Link: https://metall-mater-eng.com/index.php/home/article/view/1328							
47	Sandip S. Patil, Jayant H. Bhargale	Reducing Cattle Stress during Transport: Structural Design and Analysis of a Ramp-Gate System	International Journ al of Environmental Sciences, Vol. 11 No. 5s, 2025	2229-7359	Integrated Publishing Association	SCOPUS	2025
Scopus Link: https://www.scopus.com/sourceid/21101096350 Journal Link : https://theaspd.com/index.php/ijes/article/view/1271 Paper Link: https://theaspd.com/index.php/ijes/article/view/1271							
48	Kiran A. Chaudhari, Jayant H. Bhargale	Tribological behavior of unfilled PTFE under dynamic loading in dry sliding condition	Journal of Materials Science: Materials in Engineering	3004-8958	Springer Nature , NEW YORK, United States	SpringerOpen Web of Science (SCI)	2025
SpringerOpen Link: https://jmsg.springeropen.com/ WOS Link: https://mjil.clarivate.com://search-results?issn=3004-8958&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journ Paper Link: https://jmsg.springeropen.com/articles/10.1186/s40712-025-00302-y							
49	Vinaykumar Chandrakant Jadhav, Rajendrakumar Giridharilal Tated, Jayant Hemchandra Bhargale	A review on vegetable seedlings transplantation systems and their importance in Indian agriculture	International Journal of Vegetable Science, ENGLAND VOL. 31, NO. 6, 914–947	1931-5260 Online- 1931-5279	TAYLOR & FRANCIS	Web of Science (SCI) , SCOPUS	2025
Journal Link : https://www.tandfonline.com/journals/wjiv20?src=pdf Paper Link: https://www.tandfonline.com/doi/full/10.1080/19315260.2025.2538493							
50	Janardhan Kashinath Bhor & Jayant Hemchandra Bhargale	A numerical study of effect of ferrofluids applications in the performance of PTSC	Journal of Materials S cience: Materials in E ngineering, Volume 2 1, article number 17, Jan 2026	3004-8958	Springer Nature , NEW YORK, United States	SpringerOpen Web of Science (SCI)	2026
Journal Link : https://link.springer.com/journal/40712 Paper Link: https://link.springer.com/article/10.1186/s40712-025-00394-6							
51	Janardhan Kashinath Bhor & Jayant Hemchandra Bhargale	Experimental investigation of ferrofluid-based parabolic trough solar collector employing twisted tape under variable flow conditions	Journal of Materials Sci ence: Materials in Engi neering, Volume 21, article number 39, Feb 2026	3004-8958	Springer Nature , NEW YORK, United States	SpringerOpen Web of Science (SCI)	2026
Journal Link : https://link.springer.com/journal/40712 Paper Link: https://link.springer.com/article/10.1186/s40712-026-00417-w							
52	Deepak P. Patil, Jayant H. Bhargale	Experimental analysis of cellulose Fibre insulation considering thermal conductivity dependence on density using environment- friendly additives	Journal of Thermal Analysis and Calorimetry	1588-2926	Springer, NETHERLANDS	Springer, SCOPUS, Web of Science (SCI)	2026
Journal Link : https://link.springer.com/journal/10973 Paper Link: https://link.springer.com/article/10.1007/s10973-026-15795-8							

53	Deepak P. Patil, Jayant H. Bhargale	Experimental Analysis and Validation of Cellulose Fibre Insulation Structures Considering Thermal Properties	Journal of Polymer & Composites	2321-8525	STM Journals, India	Web of Science (ESCI)	2026
Journal Link : https://mjl.clarivate.com//search-results?issn=2321-8525&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=journal-profile-share-this-journal Paper Link:							
54	Sandip S. Patil, Kiran A. Chaudhari, Jayant H. Bhargale	Parametric Design and Regulatory Analysis of a Modular, Vehicle-Adjustable Cattle Cage for Indian Goods Vehicles	Journal of Animal Environment, Vol. 18, No. 3s, Spring 2026, PP 817-826	2717-1388	Tehran: Amayesh Shale Consulting Engineers Company	SCOPUS	2026
Journal Link : https://www.scopus.com/sourceid/21101445137 Paper Link: https://aejournals.org/index.php/AEJ/article/view/2864							

2. Patents:-

Sr No	Name of Staff	Title	Date of Application	Design Number	Patent Office Journal No	Publication date
1	Ms. A. K. Patil Dr. J. H. Bhargale	IOT Based Gas Level Monitoring And Indicator Gas Cylinder	8/2/2024	406982-001	19/2024 dated 10/05/2024	10/5/2024
2	Sandip S. Patil, Dr. J. H. Bhargale	MODULAR CATTLE CAGE (MCC) FOR TRANSPORT VEHICLE	28/02/2024	409057-001	409057-001 dated 28/02/2024	5/9/2024
3	Kiran Chaudhari Dr Jayant Bhargale	TRIBOMETER SPRING LOAD ASSEMBLY	23/01/2025	445285-001		9/4/2025
4	Dr. Dole. N.B, Dr Jayant Bhargale	TRUCK CHASSIS WITH INTEGRATED SAFETY ROD SYSTEM	19/03/2025	451945-001		11/07/2025
5	Sandip S. Patil, Dr. J. H. Bhargale	MODULAR CAGE	13/08/2024	426688-001		1/4/2026
6	Saurabh H. Patil Dr.Jayant Bhargale Dr. Niraj B.Dole	Experimentally Investigate Performance Parameters on Application of Undi and Waste Cooking Oil Methyl Ester with EGR in a Single Cylinder Diesel Engine	18/04/2025	15135/2025-CO/L	LD-20250171903	

3. List of Phd students completed:-

Sr. No.	Name of the scholar	Year of registration	Title of the thesis of the for scholar	Date of Declaration of Result
1	Kiran.A.Chaudhari	2021	Tribological behavioural analysis of materials under static and dynamic load conditions	29/01/2026
2	Sandip Subhashrao Patil	2021	Design and Development of modular compartment for safe transportation of Cattels.	23/01/2026
3	Bhor Janardhan Kashinath	2021	Experimental analysis of Ferro fluid's effect on the performance of parabolic trough solar collector	Submitted

4. List of Phd students registered:-

Sr. No.	Name of the scholar	Year of registration	Title of the thesis of the for scholar
1	Ankita Kailas Patil	2022	Performance Analysis of Hybrid Biodiesel Blends with Nano Additive in Diesel Engine having Variable Compression Ratio.
2	Deepak Padmakar Patil	2022	Analysis of Environment Friendly Cellulose Fibre Insulation for Low Thermal Conductivity Insulation Structure.
3	Nitin Vinayakrao Lokare	2022	Optimization of hardening Process Parameters with respect to Wear Properties of Cast Iron Automotive Components.

5. List of Book/Books chapters published:-

Sr. No.	Year of Publication	Title of the book/chapters published	ISBN/ISSN number	Name of the publisher
1	2021	Metrology and Quality Control	978-9351584087	Success Publications, Pune
2	2020	Manufacturing Process-I	978-9351582212	Success Publications, Pune