

## STAFF PROFILE

<b>Name:</b> Mr. Rajendra Shrirang Katikar	
<b>Designation:</b> Professor	
<b>Qualification:</b> PhD (Mech Engg),ME (Mech-Prod),MBA	
<b>Email:</b> rskatkar.scoe@sinhgad.edu	
<b>Experience:</b> Teaching - 30 years	
<b>Area of Interest:</b> CAD/CAM, Operation Research, Supply chain Management	
<b>Membership of Professional Societies:</b> LMISTE, INAAR, FIIPE	
<b>Major roles at Savitribai Phule Pune University/other universities/organization:</b> Subject Expert, Worked as a external examiner BE/ME- Dissertations in Solapur University, COEP Pune /PhD Projects Thesis (Pre-PhD Comprehensive Viva Voce) in VTU, Belagavi.	
<b>Publications /Patents:</b> <b>International journals:</b> <ul style="list-style-type: none"> <li>• R.S.Katikar,(May 2020),” Case Study on Lean Manufacturing System Implementation in Batch Type Manufacturing Industry” GEDRAG &amp; ORGANISATIE REVIEW - ISSN:0921-5077 Vol33.No.2,pp-1064-1080</li> <li>• R.S.Katikar,(June2018),” Optimization Process Parameter in Honning Process-A Review Paper” CIIT International Journal of Data Mining and Knowledge Engineering, ISSN 0974 – 9578 Vol. 10, No. 6, pp.- 128-132</li> <li>• R.S.Katikar, Dr.M.S.Pawar (Sept-2014),” An Expert System For Make Or Buy Decision In Manufacturing Industry”, International Journal of Advanced Research in Engineering and Technology (IJARET) ISSN Print: 0976-6480 Vol.6, Issue 7, pp. 80-89,</li> <li>• R.S.Katikar, Dr.M.S.Pawar (Dec-2014),” Finding the Relation between Make or Buy Decisions and Capacity for Profitability and Technology in Batch Type of Manufacturing Industries”, International Journal of Engineering Inventions, p-ISSN: 2319-6491 Vol. 4, Issue 7, PP: 45-55</li> <li>• R.S.Katikar, Dr.M.S.Pawar (Sept-2014),” Analysis Of Risk By FMEA In Manufacturing Outsourcing For Batch Type Industries”, International journal of Research in Engineering &amp; Technology (IJRET), ISSN(P): 2347-4599, Vol. 2, Issue 9, pp 89-98 .R.S.Katikar, Dr.M.S.Pawar (Nov-2013),” Finding the relation between make or buy decisions and profitability for technology based classified batch type of manufacturing industries”, International Journal of Mechanical Engineering (IJME) ISSN(P): 2319-2240; Vol. 2, Issue 5, Nov 2013, pp-135-150</li> <li>• R.S.Katikar, Dr.M.S.Pawar (June-2013),” Finding The Relation Between Make Or Buy Decisions And Profitability For Batch Type Of Manufacturing Industries”, International Journal of Mechanical Engineering and Technology (IJMET), ISSN 0976 – 6340(Print), Vol. 4, Issue 3, pp-212-222</li> <li>• R.S.Katikar, Dr.M.S.Pawar (Feb-2013),” Drivers and Trend of make or buy decision for manufacturing industries”, International Doctoral convention, SIOM Pune and Univ of Pune --pp-387-401(ISBN-978-81910118-6-9)</li> <li>• R.S.Katikar, Dr.M.S.Pawar (Feb-2013), “Drivers and Trend of make or buy decision for manufacturing industries” International Doctoral convention, SIOM Pune and Univ of Pune - -pp-387-401(ISBN-978-81910118-6-9)</li> <li>• R.S.Katikar, Dr.M.S.Pawar (Dec-2012),” Cost Analysis For 'Make-Or-Buy' Decisions For</li> </ul>	

Manufacturing Industries”, International Research journal of commerce, Business and Social science(IRJCBSS) Vol.1.No.9,pp.151-156 (ISSN 2277-9310)

- R.S.Katkar, Dr.M.S.Pawar (Feb-2012),” Swot Analysis Of Manufacturing Outsourcing –A Case Study”, International Journal of Research in IT and Management (IJRIM) VOL.2.No.2,pp925-935 (ISSN 2231-4334)
- R.S.Katkar,(Feb-2012),” Importance Of Process Capability And Process Performance Indices In Machine Tool”, International Journal of Research in Engineering & Applied Sciences (IJREAS) VOL.2.No.2,pp1211-1217 (ISSN 2294-3905)
- R.S.Katkar, Dr.M.S.Pawar (Jan-June-2011),“ Topsis Approach for vendor selection problem in manufacturing outsourcing ”, International Journal of Logistic and Supply chain management (IJLSCM)Vol3,N0.1,pp.5-9
- R.S.Katkar, Dr.M.S.Pawar (Jan -2011),“ Vendor Selection using combined AHP and GRA-a case study”, International Journal of Multidiscipl.research and Advances in Engineering (IJMRAE)VOL.3.No.1,pp253-273

**International conference:**

- R.S.Katkar,” Outsourcing Decision in Batch type Manufacturing Industry by a Developed Expert System-A Case Study”, International Conference on Civil, Mechanical and Industrial engineering(ICCMIE-2019), SKNCOE,Pandharpur,pp-30-31, (ISBN-978-93-5254-640-4),29<sup>th</sup> -30<sup>th</sup> March 2019.
- R.S.Katkar,” Prioritization of Factors affecting on process capability of a machine tool by AHP”, International Doctoral convention, SIOM Pune and Univ of Pune –pp-387-401(ISBN-978-81910118-6-9),21<sup>st</sup> -3<sup>th</sup> Feb2013
- R.S.Katkar,” Drivers and Trend of Make or Buy decision for Manufacturing Industries”, International Doctoral convention, SIOM Pune and Univ of Pune –pp-387-401(ISBN-978-81910118-6-9), 21<sup>st</sup> -3<sup>th</sup> Feb2013
- R.S.Katkar,Dr.M.S.Pawar, “Evaluation Of Vendor For Manufacturing Outsourcing, using Taguchi's Loss Functions”, International Conference on Advances In Manufacturing Technology ( ICAMT 2021 )Chennai Institute of Technology Chennai , India ,15-17 june(2012)
- R.S.Katkar,Dr.M.S.Pawar, “Prioritization of Drivers for Outsourciing in Engineering Industries by AHP-A Case Study”,14th Annual international conference of the society of operation management at NITIE ,Mumbai, 17-19 th Dec 2010
- R.S.Katkar,Dr.M.S.Pawar, “Risk consideration in Manufactuirng outsourcing for Batch type Industries”,5th Internationla conference on "Logistics and supply chain management"ILSCM- 2010 at PSGIM Coimbatore, 3-5 th Aug 2010
- R.S.Katkar,Dr.M.S.Pawar, “Indentification of driving factors for outsourcing of the Batch engineering industries”, Inter National Conference on “Simulation modeling and data analysis (2009)”, at NIT Calicut, 17-19 Dec 2009

**National journal**

- R.S.Katkar, Dr.M.S.Pawar (Feb-2011),“ Application of the theory of constraints in manufacturing outsourcing”, A National Journal on “Dynamics of Distribution and Supply chain Management” SIOM PUNE-ISBN 978-81-910118-0-7,pp16-22

**FDP/SDP/STTP/Workshop/Seminars/ Summer School Attended:**

Sr. No.	Title of Program	Date and Duration	Organization
1	FDP on “Recent Trends in HVAC&R”	26 <sup>th</sup> -30 <sup>th</sup> July2021, One Week	Walchand Institute of Technology, Solapur +ISTE+ISHRAE Pune chapter
2	FDP on “Data Analysis using Python”	15th -20th March, 2021, One Week	Institute Of Engineering & Science IPS Academy (Autonomous) Indore+ AICTE
3	FDP on “Frontier of 3D	25th jan-06th	Lakireddy Bali Reddy College Of

	Printing Technology and Its Industrial Applications (Phase-II) ” ”	Feb2021, One Week	Engineering, Kakinada (AP)+AICTE
4	FDP on “Research Methodology: Tool and Techniques - I I”	1st – 5th Feb 2021, One Week	Sardar Vallabhbhai National Institute of Technology Surat Gujarat + TEQIP II
5	FDP on “Electro-Mechanical System ”	20th-25th July2020, One Week	Walchand College of Engineering, Sangli +TEQIP III
6	FDP on “Advanced Machining Techniques”	22nd-27th June2020, One Week	Sathyabama Institute of Science and Technology, Chennai+IIPe
7	FDP on “Exploring the Dimensions of Innovation, Incubation and Emerging Technologies to Embrace Post COVID Changes”	8th-12th June 2020 , One Week	Finolex Academy of Management & Technology, Ratnagiri
8	FDP on “Future of Engineering Education and work in post Covid-19 World ”	6th-11th July2020, One Week	Chouksey Group of Colleges,Bilaspur
9	FDP on “Welding for Additive Manufacturing’ ”	10th -15th June2020, One Week	Coimbatore Institute Of Engineering And Technology,Coimbatore (TN)
10	FDP on “Innovation, Entrepreneurship and its Relevance in Industry 4.0 Practices in the Post Covid-19 Situation”	25th - 29th May 2020, One Week	Terna Engineering College,Navi Mumbai
11	FDP on “Moodle Learning Management System ”	26th - 30th May 2020, One Week	PICT,Pune and IIT Bombay
12	FDP on “Advanced Optimization Tools and Techniques for Researcher & Engineers”	23rd - 27th May 2020, One Week	SKN Sinhgad College of Engineering, Pandharpur
13	FDP on “Artificial Intelligence”	22th - 26th May 2020, One Week	AN Institute of Technology and Sciences,Sangivalasa,Visakhapatnam(AP)
14	FDP on “Opportunities Based Education: A Steps Towards Excellence ”	11th - 15th May 2020, One Week	Government College of Engineering, karad
15	FDP on “Advances in Materials, Micro Machining and Management Practices”	26th to 30th Nov 2018, One Week	Rajarambapu Inst., of Tech., Sakharale (Islampur)
16	FDP on “Automation and Robotics with Hands on Practice”	12th to 16th June 2017, One Week	SKN COE,Pune
17	FDP on” Recent Advances in Nanomaterials,	11th to 16th Dec 2016 , One Week	SKN COE,Pune

	Nanotechnology and Nanofabrication”		
18	SDP on “Quality improvement programme on “case-based learning in business and Management”	05 <sup>th</sup> -09th June 2011, One Week	IIT Roorkee
19	SDP on Faculty Development Programme in Operation Management	22 <sup>nd</sup> -26th Nov. 2010, One Week	IIMB Bangalore
20	SDP on Statistical modeling and data analysis	30 <sup>th</sup> Nov-12 th Dec.2009, Two Week	IIT Khargpur
21	SDP on Supply chain management & E business	23-28 Nov.2009, One Week	IIT Khargpur
22	SDP on Research Methodology in Engineering, Technology and Management	09-20th July 2009, Two Week	NIT Calicut
23	SDP on Quality Assurance and Accreditation of Technical Institutions	19 <sup>th</sup> -23 <sup>rd</sup> April 2006, One Week	Smt. Kashibai Navale COE, Pune
24	SDP on Finite Element Using ABAQUS	13 <sup>th</sup> -17 <sup>th</sup> Nov. 2006, One Week	SCOE, Pune
25	SDP on Opportunities & Challenges in Precision Mfg-2002	18 <sup>th</sup> -30 <sup>th</sup> Nov. 2002, Two Week	Dr. BATU,Lonare