

Somaiya Vidyavihar University

Name: Dr. Rajesh B. Pansare			E-mail: rajeshpansare@somaiya.edu		
Contact No: 02266449527					
Department/Section: Mechanical Engineering					
College: K J Somaiya School of Engineering					
DOJ Somaiya: 24/01/2005		Career Experience:23Yrs		Industry Experience: 02 Years	
				Teaching Experience: 21 Years	
Present Academic Designation: Assistant Professor				Present Administrative Designation: Sports In-Charge	

Area of research/specialization and Courses Delivered					
Research domain/interests/areas <ol style="list-style-type: none"> 1. Industrial Engineering 2. MCDM techniques 3. Manufacturing system design 4. Additive Manufacturing 5. Bioprinting 6. Automation and Control 					
Courses Delivered <ol style="list-style-type: none"> 1. Mechatronics 2. Product design and Product life cycle management 3. Product Design and Development 4. Mechanical Measurement and Control 5. Mechanical Measurement and Metrology 6. Design of Experiments 7. Additive Manufacturing 8. Engineering Mechanics 9. Engineering Drawing 					

Recognition as a teacher by any University	UG: Yes	PG: Yes	Ph.D. : No
Details of Recognitions <ol style="list-style-type: none"> 1. UG: University of Mumbai, Somaiya Vidyavihar University 2. PG: University of Mumbai 			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D.	Ph.D.	VJTI	VJTI	2024	-
PG	M. E.	Mumbai University	KJSCE	2012	Distinction
UG	B. E. (Mech.)	Pune university	SVMEC, Nasik	2002	First Class
Diploma	DME	BTE	Amruitvahini Polytechnic, Sangamner	1999	First Class

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Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	Tekson's Ltd.	Supervisor	January 2003	December 2004	2
2.	K. J. Somaiya College of Engineering, Vidyavihar, Mumbai-400 077	Lecturer (Adhoc)	Jan 2005	May 2006	Total 21 years
3.	K. J. Somaiya College of Engineering, Vidyavihar, Mumbai-400 077	Assistant Professor (UGC)	May 2006	November 2017	
4.	K. J. Somaiya College of Engineering, Vidyavihar, Mumbai-400 077	Assistant Professor (Senior grade)	December 2017	till date	

Research Accomplishments and Projects		
No of students pursuing Ph.D. as on date: NIL		No of students completed Ph.D. as on date: NIL
No of students completed PG thesis / Project work as on date: NIL		No of students / groups completed UG projects as on date: 15
Publications Total: 15	Number of Peer review Journal papers: 15	Number of Conference papers: 13

Details of Publications:

International Journals

Sr. No.	Title of Paper	Authors	Name of journal & Publisher	Month & Year	Remark
15	A hybrid framework to prioritize the performance metrics of reconfigurable manufacturing system (RMS) using fuzzy AHP–TOPSIS method	Rajesh Pansare, Gunjan Yadav, Madhukar Nagare	The International Journal of Advanced Manufacturing Technology (Springer)	November 2022	https://doi.org/10.1007/s00170-022-10440-8
14	Optimization and Characterization of 3D Bioprintable Alginate and Hydroxyapatite Based Biomaterial Ink	Kavita Kumari Thakur, Ramesh Lekurwale, Sangita Bansode, Rajesh Pansare	Journal of The Institution of Engineers (India): Series C	October 2024	Scopus indexed

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13	A Hybrid Framework to Prioritize the Performance Metrics for Blockchain Technology Adoption in Manufacturing Industries	Shweta V Matey, Dadarao N Raut, Rajesh B Pansare, Ravi Kant	Journal of Modelling in Management	September 2024	Scopus indexed Impact factor: 2.774 https://doi.org/10.1108/JM2-02-2024-0058
12	An adoption framework for agile new product development using hybrid RBWM-ISM-Fuzzy MICMAC approach	Manoj A. Palsodkar, Madhukar Nagare, Rajesh Pansare, Vaibhav Narwane	Journal of Modelling in Management	June 2024	
11	A Framework for Adoption of Circular Economy Practices for Performance Improvement of Agile New Product Development	Manoj A. Palsodkar, Madhukar R. Nagare, Rajesh B. Pansare, Vaibhav S. Narwane	Circular Economy and Sustainability	November 2023	
10	3D Bioprinting: A Systematic Review for Future Research Direction	Kavita Kumari Thakur, Rajesh Pansare, Ramesh Lekurwale	Indian Journal of Orthopaedics	September 2023	
9	Exploring the significant factors of reconfigurable manufacturing system adoption in manufacturing industries	Rajesh Pansare, Madhukar Nagare, Vaibhav Narwane	Journal of Modelling in Management	June 2023	
8	Assessment of sustainable development goals through Industry 4.0 and reconfigurable manufacturing system practices	Rajesh Pansare, Gunjan Yadav, Madhukar Nagare	Journal of Manufacturing Technology Management (Emerald Publishing Limited)	January 2023	
7	Repurposing the production operations during COVID-19 pandemic by integrating Industry 4.0 and reconfigurable manufacturing practices: An emerging economy perspective	Rajesh Pansare, Gunjan Yadav, Madhukar Nagare	Operations Management Research (Springer)	July 2022	Impact factor: 7.03 H-Index: 31 Scopus Indexed
6	Integrating operational excellence strategies with Industry 4.0 technologies through reconfigurable manufacturing system practices	Rajesh Pansare, Gunjan Yadav, Madhukar Nagare	The TQM journal (Emerald Publishing Limited)	July 2022	Impact factor: 3.25 H-Index: 72 Scopus Indexed
5	Development of a structural framework to improve Reconfigurable Manufacturing System	Rajesh Pansare, Gunjan Yadav, Madhukar	The International Journal of Computer Integrated	June 2022	Impact factor: 4.90 H-Index: 59 Scopus Indexed

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	adoption in the industry	Nagare	Manufacturing (Taylor and Francis Ltd.)		
4	Mapping the competencies of reconfigurable manufacturing system with the requirements of industry 4.0	Rajesh Pansare, Gunjan Yadav, Madhukar Nagare	Journal of Remanufacturing (Springer)	June 2022	https://doi.org/10.1007/s13243-022-00116-7 Impact factor: 2.24 H-Index: 19 Scopus Indexed
3	Reconfigurable manufacturing system: a systematic bibliometric analysis and future research agenda	Rajesh Pansare, Gunjan Yadav, Madhukar Nagare	Journal of Manufacturing Technology Management (Emerald Publishing Limited)	November 2021	DOI 10.1108/JMTM-04-2021-0137 Impact factor: 7.547 H-Index: 70 Scopus Indexed
2	Reconfigurable manufacturing system: a systematic review, meta-analysis and future research directions	Rajesh Pansare, Gunjan Yadav, Madhukar Nagare	Journal of Engineering, Design and Technology (Emerald Publishing Limited)	August 2021	DOI 10.1108/JEDT-05-2021-0231 Impact factor: 1.47 H-Index: 22 Scopus Indexed
1	Design and Fabrication of speed control of A. C. Motor using PID controller	Rajesh Pansare, Vijay Bhosale	Journal of Automation and Automobile Engineering (MAT Journals Volume 2, issue 2)	23 rd August 2017	Non-peer reviewed journal

Conferences

Sr. No.	Title of Paper	Authors name	Name of conference	Organized by	Date of conference	Remark
13	Analyzing risk factors of Reconfigurable Manufacturing System in context of Industry 4.0 using ISM-MICMAC analysis	Rajesh Pansare, Manoj Palsodkar, Madhukar Nagare	Recent advances in manufacturing (RAM-2021)	S. V. National Institute of Technology, Surat- 395007, Gujrat, India	12/06/2021	SCOPUS indexed Elsevier conference (Published as lecture notes)
12	An ISM framework for agile new product development process risk elements: Industry 4.0 perspective	Manoj Palsodkar, Rajesh Pansare, Madhukar Nagare	Recent advances in manufacturing (RAM-2021)	S. V. National Institute of Technology, Surat- 395007, Gujrat, India	12/06/2021	SCOPUS indexed Elsevier conference (Published as lecture notes)
11	A Bibliometric analysis on Reconfigurable Manufacturing System (RMS): A Co-occurrence analysis of keywords using VOSviewer	Rajesh Pansare, Manoj Palsodkar, Madhukar Nagare	IIIE-62 nd NATIONAL CONVENTION	Indian Institute of Industrial Engineering- Mumbai chapter	29-30 th January 2021	
10	Bibliometric analysis of	Manoj	IIIE-62 nd	Indian Institute	29-30 th	

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	the Agile New Product Development (ANPD) keywords using VOSviewer	Palsodkar, Rajesh Pansare, Madhukar Nagare	NATIONAL CONVENTION	of Industrial Engineering- Mumbai chapter	January 2021	
9	Selection of Manufacturing Process Parameters Using DOE	Rajesh Pansare, Ramesh Lekurwale	International Conference on Advances in Science, Technology and Engineering (ICASTe-2018)	A. P. Shah Institute of Technology, Thane, Maharashtra, India	20 th April – 21 st April 2018	
8	Barriers and Enablers in Agile Manufacturing of Product	Manoj Palsodkar, Rajesh Pansare	International Conference: Global Meet on Advances in Design, Material & Thermal Engineering (GMADMT-2018)	Saraswati College of Engineering, Kharghar, Navi Mumbai, Maharashtra, India	11 th – 12 th January 2018	
7	Agility through design Automation: A study on Centrifugal Pump	Rajesh Pansare, Manoj Palsodkar	International Conference 'ICNTE-2017'(2 nd Biennial Conference) Nascent Technologies in Engineering	Fr. C. Rodrigues institute of technology Vashi, Navi Mumbai	27 th January – 28 th January 2017	
6	Macros in CATIA to read values from Ms excel- a tool for automation	Rajesh Pansare, Manoj Palsodkar	International Conference 'ICSTSD 2016' on 'Science and Technology for Sustainable Development'	Prof. Ram Meghe Institute of Technology & Research Badnera - Amravati	24 th – 26 th May 2016	Won best paper award with cash prize of Rs. 3000/-
5	Knowledge Based Engineering (KBE) approach in Centrifugal Pump Design	Rajesh Pansare, Vaibhav Narawane, Manoj Palsodkar	International Conference 'SPICON-2012 Mechanical' on 'Recent trends in Engineering, Technology & Management'	Sardar Patel College of Engineering, Andheri (West), Mumbai	31 st May – 02 nd June 2012	
4	Knowledge Management in Product Design	Rajesh Pansare, Vaibhav Narawane, Manoj Palsodkar	National Conference on Advances in Engineering, Technology & Management, 'Zenith 2011'	Agnel Polytechnic, Vashi, Navi Mumbai	October 14 th – 15 st , 2011	
3	Performance Comparison by Discrete Event Simulation	Manoj Palsodkar, Rajesh Pansare, Vaibhav Narawane	National Conference on 'Recent Trends in Mechanical Engineering'	Datta Meghe College of Engineering, Airoli	28 th and 29 th August 2010	

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2	Intelligent Agent Based Simulation Systems	Vaibhav Narawane, Manoj Palsodkar, Rajesh Pansare	National Conference on 'Recent Trends in Mechanical Engineering'	Datta Meghe College of Engineering, Airoli	28 th and 29 th August 2010	
1	Space-Based Solar Power	Rajesh Pansare, Vaibhav Narawane, Manoj Palsodkar	National Conference on Recent Trends in Engineering and Technology 'Zenith 2009'	Agnel Polytechnic, Vashi	October 30 – 31 st 2009	

Books/Book Chapters

Sr. No.	Title of book	Publisher	ISBN no.	Year of publication
1	Mechanical Measurement and Control	Nandu Printers and Publishers Private Limited	ISBN: 978-93-85241-07-9	2016

Patents/Copy Rights

Sr. No.	Title	Submitted date and country	Investigators	Current status	Remark
1	Suture device	Filed on 23/10/2020 (India)	Dr. Ramesh Lekurwale Prof. Rajesh Pansare Prof. Pathak, Sujata Dr. Patil, Sonali Dr. Joglekar Jyoti Dr. Gupta, Sudha Prof. Patil, Priyanka Prof. Karmarkar Abhijeet Prof. Bhambhure Shilpa Dr. Chivate, D Shantikumar	Granted	Granted

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered

Attended

Sr. No.	STTP/Workshop/ Training program	Title of program	Organizing Institute	Fees	Duration	No. of days
22	One day workshop	Workshop on Medical device development and translation	Sree Chitra Tirunal Institute for Medical sciences & Technology, Thiruvananthapuram, Kerala	2000	10/12/2024	01
21	Two days National training program	Partial least square (PLS) based structural equation modelling (SEM)	Gopal Govind Poy Raiturcar college of commerce and economics, Farmagudi, Ponda, Goa	1000	15/02/2024 to 16/02/2024	02
20	One week STTP	Research methodology: Applications and analysis perspective	Swarnim startup & Innovation university, Gandhinagar, Gujarat and IIIE	300	07/03/2022 To 11/03/2022	05
19	One week faculty development program	Using ICT tools for Teaching in Blended Learning Process	E&ICT Academy, IIT Guwahati	1000	28/02/2022 To	06

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					05/03/2022	
18	Orientation program (AICTE sponsored)	Current trends in Industrial Engineering	G. H. Patel College of Engineering & Technology, Vallabh Vidyanagar, Gujarat	NIL	02/03/2021 To 08/03/2021	06
17	National technical webinar	Role of DFMA in New Product design	A.D. Patel Institute of technology, New Vallabh Vidyanagar, Gujarat	NIL	08/08/2020	01
16	National level workshop	Crafting literature review with synthesis tools	Consortium for Human Resource Development (CHRD) Faculty Chapter	NIL	10/08/2020 to 14/08/2020	05
15	One day expert talk	A beginner's guide to patent and patenting process	MCKV institute of Engineering, 243, G. T. Road (N), Liluah Howrah-711204, West Bengal.	NIL	17/04/2021	01
14	One week online faculty development program	Exploring the dimensions of Innovation, Incubation and Emerging technologies to Embrace Post COVID changes	Hope Foundation's Finolex Academy of Management and Technology, Ratnagiri, Maharashtra	NIL	8 th to 12 th June 2020	05
13	One week (Six Days) AICTE-QIP sponsored STTP	Advanced in Smart Manufacturing Technologies (ASMT)	Veermata Jijabai Technological Institute (VJTI), Mumbai- 400 019	NIL	30 th December 2019 to 4 th January 2020	06
12	One week (Six Days) AICTE-QIP sponsored STTP	Advanced Manufacturing Processes and Management Practices	Veermata Jijabai Technological Institute (VJTI), Mumbai- 400 019	NIL	23 rd to 28 th December 2017	06
11	Three days Medical Devices Hackathon (MEDHA 2017)	Medical Devices Hackathon (MEDHA 2017)	IITB and COEP at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai	NIL	14 th to 16 th July 2017	03
10	Five days camp	Medical Devices Innovation (MEDIC 2017)	IITB and COEP at Government College of Engineering, Pune	NIL	13 th to 17 th September 2017	05
9	Two days training	Training on FLEXSIM Software	Mr. Pragnesh Bula from FLEXSIM at K. J. Somaiya College of Engineering	NIL	21 st & 22 nd June 2017	02
8	Two days workshop	Workshop on Evaluation and Teaching	Dr. Anuradha Deshmukh from YCMOU, Nasik at K. J. Somaiya College of Engineering	NIL	22 nd & 23 rd October 2016	02
7	One week Faculty Development Program	Digital Prototyping for Product Design	Pillai Institute of Information Technology, Engineering, Media Studies and research, New Panvel(East)	NIL	6 th and 10 th July 2015	05
6	One week Training program	Solid works Design, Validation Software	K. J. Somaiya College of Engineering, Vidyavihar, Mumbai- 400 077	NIL	January 2015	05

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5	Two days ISTE workshop	Workshop on Aakash for education	Remote centre conducted by IITB at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai-400 077	NIL	10 th and 11 th November 2012	02
4	Two week STTP	Computational Fluid Dynamics (ISTE workshop)	Remote centre conducted by IITB at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai-400 077	NIL	12 th June to 22 nd June 2012	10
3	Two week STTP	Solar Photovoltaic (ISTE workshop)	Remote centre conducted by IITB at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai-400 077	NIL	12 th December to 22 nd December 2011	10
2	One week STTP	Renewable Energy Systems (ISTE Approved)	K. J. Somaiya College of Engineering, Vidyavihar, Mumbai-400 077	1000/-	29 th June to 3 rd July 2009	05
1	One week training	AutoCAD	Autodesk in association with University of Mumbai at Thadomal Sahani COE	NIL	15 th to 19 th June 2008	05

Organized

Sr. No.	STTP/Workshop/ Training program	Title of program	Organizing Institute	Role	Duration	No. of days
1	Three days hackathon	MEDHA-2022 (Medical device hackathon)	K. J. Somaiya college of Engineering and IITB	Coordinator	14 th May to 28 th May 2022	03

Notable Positions and Responsibility

Sr. No.	Position held	Department level/ Institute level	Duration	Remark
9	Sports In-charge	Institute level	August 2018 to till date	
8	Asso. Sports In-charge	Institute level	2015 to August 2018	
7	Admission In-charge	Institute level	Admissions 2019-2020	
6	Joint Admission Coordinator	Institute level	Admissions 2018-2019	
5	Engineering Drawing coordinator	Department level	2012 to August 2019	
4	Accreditation committee Coordinator (Faculty and staff, Criterion 10)	Department level	2017 to till date	
3	Faculty Coordinator for ISHRAE	Department level		
2	Departmental Representative for TPO	Department level		
1	Laboratory In-charge <ul style="list-style-type: none"> ▪ BETiC lab ▪ Measurement and Metrology Lab. ▪ Refrigeration and Air conditioning Lab. 	Department level	March 2021 to till date	

Date: 09/09/ 2025

Signature of Faculty Member