

Somaiya Vidyavihar University

Name: Dr Sangita Nitin Bansode		E-mail: sangeetabansode@somaiya.edu		
Contact No: 9819090169 / 66449517				
Department/Section: Mechanical Engineering				
College: K J Somaiya College of Engineering				
DOJ 04/02/1999	Somaiya:	Career Experience: 29Yrs	Industry Experience: Nil	Teaching Experience: 29Yrs
Present Academic Designation: Associate Professor			Present Administrative Designation:	

Area of research/specialization and Courses Delivered
Research domain/interests/areas 1. Automation 2. Robotics 3. FEA 4. Additive Manufacturing Courses Delivered 1. Computer Aided Engineering 2. Robotics and AI 3. Additive Manufacturing 4. Finite Element analysis 5. CAD / CAM / CIM 6. Production Engineering 7. Industrial Engineering

Recognition as a teacher by any University	UG: Yes	PG: Yes	Ph.D : Yes
Details of Recognitions 1. UG – Mumbai University 2. PG - Mumbai University 3. PhD - Somaiya University			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Doctorate in Mechanical Engg.	Mumbai University	VJTI - Matunga	2020	
PG	M.Tech in CAD/CAM & Robotics	Mumbai	VJTI , Matunga	2006	
UG	Bachelor of Production Engineering	Marathwada University	JNEC College of Engineering	1989	68 %
Diploma	Mechanical Engineering	DTE Mumbai	Government Polytechnic Aurangabad	1986	68 %
NET/SET/Other					

Notable Experience Details					
Sr. No	Name of the	Designation	Date of Joining	Date of Leaving	Experience

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	organization				(Years)
1.	Pd. V.V.Patil COE A, Nagar	Lecturer	Aug 92	Aug 96	04
2.	K. J. Somaiya College of Engineering	Associate professor	04/02/99	Still working	24

Research Accomplishments and Projects		
No of students pursuing Ph.D as on date: 01		No of students completed Ph.D as on date:NA
No of students completed PG thesis / Project work as on date:		No of students / groups completed UG projects as on date:
Publications Total: 8	Number of Peer review Journal papers: 4	Number of Conference papers:4
<p>Details of Publications:</p> <p>International Journals</p> <p>Journal Papers</p> <ol style="list-style-type: none"> Sangita Bansode, V.M.Phalle, Shankar S.Mantha.Taguchi Approach for Optimization of Parameters that Reduce Dimensional Variation in Investment Casting. Archives of Foundry Engineering. - ISSN (1897-3310) Volume 19(1), 2019 pp. 5 – 12. [Emerging Sources Citation Index] Sangita Bansode, V.M.Phalle, S.S.Mantha. Optimization of process parameters to improve dimensional accuracy of investment casting using Taguchi approach. Advances in Mechanical Engineering –Volume 11(4), 2019 pp. 1-12. [Science Citation Index Expanded] Sangita Bansode, V.M.Phalle, S.S.Mantha. Influence of Slurry Composition on Mould Properties and Shrinkage of Investment Casting. Transactions of the Indian Institute of Metals. Transactions of the Indian Institute of Metals ISSN 0972-2815. DOI 10.1007/s12666-020-01872-5 <p>National Journals</p> <ol style="list-style-type: none"> Sangita Bansode, V.M.Phalle, S.S.Mantha. Productivity enhancement in investment casting foundry using automation technique in shelling operation. Industrial Engineering. ISSN/ISBN (2581-4915) Volume 12 (7), 2019. <p>Conferences</p> <ol style="list-style-type: none"> Rapid prototype a rapid approach for investment casting. National Conference, Saboo Siddikiq College of Engineering, 3-5 Jan 2013, Byculla, Mumbai. Influence of feeders in distortion of investment casting, 62nd Indian Foundry Congress, 7-9 Feb 2014, Gandhi Nagar, Ahmedabad. Optimised feeding system for investment casting to reduce dimensional variation, 63rd Indian Foundry Congress, 28 Feb-1 March, 2016, Greater Noida, Delhi. Optimized design of feeding system for complex steel (CF8) investment casting to improve quality and productivity- International conference. ATSMDE, 21-22 Dec 2017, VJTI, Matunga, Mumbai. <p>Books/Book Chapters</p> <p>Patents/Copy Rights</p>		
No of Research / consultancy / projects completed:	No of Research / consultancy / projects on-going:	No of Research / consultancy / projects on applied as on date:

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<u>Rs:</u>	<u>Rs:</u>	<u>Rs:</u>
Details of Research / consultancy / projects: Completed :NA On-going: NA Applied : NA		
IPR/ Copyrights		

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered
Attended <ol style="list-style-type: none"> 1. STTP on Fault diagnosis of rotary machines and FEA 2. work shop on E - Foundry , Casting design and simulation 3. STTP on Advance Machine Design 4. Work shop on Industrial Automation 5. Work shop on Smart manufacturing and IOT
Organized and attended <ol style="list-style-type: none"> 1. Software training for 3D Printing and design 2. Nondestructive training for faculty 3. ANSYS used for Additive manufacturing 4. Adams training for faculty 5. Dynamic analysis training 6. Ansys used for Additive manufacturing 7. Computational fluid dynamics
Delivered <ol style="list-style-type: none"> 1.

Notable Key Scholastic Achievements	
1.	Sanctioned grant of 10000 Rs for interdepartmental UG project on Robotics
2.	

Notable Positions and Responsibility	
1.	Convener- Faculty grievance cell convener
2.	Convener- NAAC criteria 2 convener
3.	Coordinator – IT infrastructure of Mechanical Department
4.	Incharge - Production Engineering Lab
5.	Coordinator Honors course CAE

Date: 08 / 02 / 2023

Signature of Faculty Member