

Somaiya Vidyavihar University

Resume

Name: Chithra Biju Menon			E-mail:chitramenon@somaiya.edu		
Contact No: 66449516					
Department/Section: Mechanical Engineering					
College: K J Somaiya College of Engineering					
DOJ Somaiya: July 2009		Career Experience: 13 Yrs		Industry Experience: 2 Yrs	
				Teaching Experience: 11 Yrs	
Present Academic Designation: Assistant Professor (Professor/Associate Professor/Assistant Professor)				Present Administrative Designation: NA (Principal/Vice-Principal/ Associate Dean/ HOD etc)	

Area of research/specialization and Courses Delivered	
Research domain/interests/areas	
<ol style="list-style-type: none"> CAD CAM Material Modelling and simulation 	
Courses Delivered	
<ol style="list-style-type: none"> Theory of Machines Manufacturing of Composites Engineering Mechanics Engineering Drawing 	

Recognition as a teacher by any University	UG: No	PG: No	Ph.D : No
Details of Recognitions			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Pursuing	IITB	IITB	Pursuing	NA
PG	ME	Mumbai University	K.J Somaiya College of Engineering	2013	79%
UG	BE	Mumbai University	K.J Somaiya College of Engineering	2005	63%

Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	Godrej Infotech Ltd., Vikhroli Mumbai	Software Programmer	July 2007	April 2009	2

Research Accomplishments and Projects	
Details of Publications:	
Journals	
<ol style="list-style-type: none"> Chithra Biju Menon, Irfan Siddavatam,Vijay Bhosale, "Design and Development Prototype of Indigenous Robotic Radio Pharmaceutical Dispenser", Asian Review of Mechanical Engineering (ARME), ISSN: 2249-6289 Vol.9 No.2, 2020, pp. 22- 26 Chithra Biju Menon, Vaibhav Narwane, "Relavance of database and information retrieval system in Mechanical Engineering Program: A case study", Journal of Engineering Education Transformation, 	

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Volume 33, January 2020, Special Issue, eISSN 2394-1707, 447-450

3. N.S. Chandrashekhar, Chithra Biju Menon, "Implementation of project based learning in Mechanical Engineering Education to enhance students' interest and enthusiasm", Journal of Engineering Education Transformation, Volume 33, January 2020, Special Issue, eISSN 2394-1707, 253-256
4. Chithra Menon, Harshita Sharma, Haeshini Jegan, Vijay Mandal, and A. Durga," Title: Thermal and Micro-segregation Model Applied to Fusion-Based Additive Manufacturing of Ni-Based Superalloy Haynes 282", Journal : Journal of Materials Engineering and Performance, <https://doi.org/10.1007/s11665-025-10692-x>

Conferences

1. Chithra Biju Menon, N.R. Gilke, Ramola Sinha, "Transient Analysis to study the effect of changing the evaporator size on cooling due to natural convection in refrigerator", Proceedings of the 22th National and 11th International ISHMT-ASME Heat and Mass Transfer Conference, December 28-31, 2013, IIT Kharagpur, India
2. Chithra Biju Menon, Vaibhav Narwane, "Relavance of database and information retrieval system in Mechanical Engineering Program: A case study", ICTIEE-2020 Conference, January 05-08, 2020, Anurag Group of Institutions, Hyderabad.
3. N.S. Chandrashekhar, Chithra Biju Menon, "Implementation of project based learning in Mechanical Engineering Education to enhance students' interest and enthusiasm", ICTIEE-2020 Conference, January 05-08, 2020, Anurag Group of Institutions, Hyderabad.
4. Chithra Menon, Harshita Sharma, Haeshini Jegan, Vijay Mandal, A.Durga, "Thermal and micro-segregation model applied to fusion-based additive manufacturing of Ni-based superalloy Haynes 282". International Conference on Additive Manufacturing, March 04-06, 2024, National Institute of Technology, Warangal.
5. Chithra Menon, A. Durga," Modelling microsegregation during laser-based additive manufacturing of SS 316L", IIM-ATM 2024, November 20-22, 2024, Dr Babu Rajendra Prasad International Convention Centre, Vignana Kendra, Bengaluru, Karnataka 560065
Title:
6. Chithra Menon, A. Durga," Predicting microsegregation during laser-based additive manufacturing of Maraging Steel". International Conference on Additive Manufacturing and Characterization, January 10-11, 2025, Victor Menezes Convention Center (VMCC), IIT Bombay
7. Chithra Menon, A. Durga," Predicting Columnar to Equiaxed transition during laser based additive manufacturing of SS316L reinforced by TiN particles", International Conference on Advances in Solidification Processes, June 10-13, 2025, Madrid, Spain.

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NA

No of Research / consultancy / projects completed: 1
Rs: 25,000

No of Research / consultancy / projects on-going: NA
Rs: _____

No of Research / consultancy / projects on applied as on date: NA
Rs: _____

Details of Research / consultancy / projects:

Completed

1. Mumbai University Minor Research project: (2018-2019) Title: Design and development of a prototype of an open loop Indigenous automated radioactive medicine dispenser

On-going

NA

Applied

NA

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NA

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FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered			
Attended			
Sr.No	Title	Duration	Organised By
1	Renewable Energy Systems	10 th to 22 nd May 2010	K.J. Somaiya College of Engineering
2	Thermodynamics in Mechanical Engineering	14 th to 24 th June 2011	IIT, Mumbai KJSCE (Remote Centre)
3	Computational Fluid Dynamics	12 th to 22 nd June 2012	IIT, Mumbai KJSCE (Remote Centre)
4	E-Foundry: Casting design and simulation	26 th October 2013	VJTI
5	Advance Optimization Techniques	6 th to 7 th and 13 th to 14 th February 2014	K.J. Somaiya College of Engineering
6	Institutional training program on oil conservation	7 th March 2014	Petroleum Conservation Research Association
7	Online certificate course on "Manufacturing Of Composites"	24 th July 2017 to 15 th September 2017	NPTEL
8	SPSS software training (statistical tool)	17 th Feb 2018	KJSCE
9	Hands-on One day workshop on Python Programming and Data analytics	03 rd March 2018	KJSCE
10	Nanotechnology opportunities and challenges in Engineering Materials and manufacturing	5 th March to 10 th March 2018	VJTI
11	Developing soft skills and personality (Online course NPTEL)	August- October 2018	IIT Kanpur
12	Solidworks training	25 th August 2018 to 24 th November 2018(5 days)	Addonix Technologies Pvt. Ltd.
13	CSWA(Full Exam) for Solidworks	31 st October 2019	Online virtual Tester, Solidworks
14	ADAMS training	25 th to 29 th November 2019	KJSCE
15	Minor Research project paper presentation	16 th December 2019	Mumbai University, Fort Campus

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16	E learning program Fan and Blower	4-5-2020	Tata Steel
17	E learning program Heat treatment of steel	21-4-2020	Tata Steel
18	E learning program Basic Metallurgy	20-4-2020	Tata Steel
19	E learning Program Measuring Instrument	5-5-2020	Tata Steel
20	E learning Program Lifting tools and tackles	6-5-2020	Tata Steel
21	E learning Program Bulk material Handling	7-5-2020	Tata Steel
22	Webinar Coronavirus, product design and the supply chain – prepare to think differently	28-5-2020	IMechE
23	Somaiya Research Interventions in Engineering & Technology	29-5-2020	Somaiya Institute for Research and Consultancy
23	"Engineering Education and the Industry: A post COVID 19 perspective"	1 st June to 5 th June 2020	Online FDP at RGIT Mumbai"
24	Renewable Energy Engineering: Solar, Wind and Biomass Energy systems (NPTEL Online course)	Jan- March 2021 (8 weeks course)	IIT Guwahati
25	Preconference workshop on Metal Additive Manufacturing: Fundamentals to applications	1 st November 2022	IIT Bombay
Organized NA			
Delivered 1. Delivered Lecture and conducted practical training on Solar Stills in Short term Intensive Practical Training Program on Renewable Energy Systems conducted by Department of Mechanical Engineering from 10 to 22 May 2010.			

Date: 3 /9 / 2025


Signature of Faculty Member