

## Somaiya Vidyavihar University

<b>Name: Chithra Biju Menon</b>			<b>E-mail:chitramenon@somaiya.edu</b>		
<b>Contact No: 66449516</b>					
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)		

<b>Area of research/specialization and Courses Delivered</b>
Research domain/interests/areas 1. CAD CAM 2. Material Modelling and simulation Courses Delivered 1. Theory of Machines 2. Manufacturing of Composites 3. Engineering Mechanics 4. Engineering Drawing

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

<b>Education</b>					
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%

<b>Notable Experience Details</b>					
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

<b>Research Accomplishments and Projects</b>		
No of students pursuing Ph.D as on date:		No of students completed Ph.D as on date:
No of students completed PG thesis / Project work as on date:		No of students / groups completed UG projects as on date:
Publications Total:	Number of Peer review Journal papers:	Number of Conference papers:
Details of Publications: National Journals 1. Chithra Biju Menon, Irfan Siddavatam, Vijay Bhosale, "Design and Development Prototype of Indigenous Robotic Radio Pharmaceutical Dispenser", Asian Review of Mechanical Engineering		

## Somaiya Vidyavihar University

(ARME), ISSN: 2249-6289 Vol.9 No.2, 2020, pp. 22- 26

2. Chithra Biju Menon, Vaibhav Narwane, "Relavance of database and information retrieval system in Mechanical Engineering Program: A case study", Journal of Engineering Education Transformation, 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

### 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.

### Patents/Copy Rights

NA

No of Research / consultancy / projects completed:1 Rs: <u>25,000</u>	No of Research / consultancy / projects on-going:NA Rs:	No of Research / consultancy / projects on applied as on date:NA Rs:
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### 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

### IPR/ Copyrights

NA

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

#### Attended

Sr.No	Title	Duration	Organised By
1	Renewable Energy Systems	10 <sup>th</sup> to 22 <sup>nd</sup> May 2010	K.J. Somaiya College of Engineering
2	Thermodynamics in Mechanical Engineering	14 <sup>th</sup> to 24 <sup>th</sup> June 2011	IIT, Mumbai KJSCE (Remote Centre)
3	Computational Fluid Dynamics	12 <sup>th</sup> to 22 <sup>nd</sup> June 2012	IIT, Mumbai KJSCE (Remote Centre)

## Somaiya Vidyavihar University

<b>4</b>	E-Foundry: Casting design and simulation	26 <sup>th</sup> October 2013	VJTI
<b>5</b>	Advance Optimization Techniques	6 <sup>th</sup> to 7 <sup>th</sup> and 13 <sup>th</sup> to 14 <sup>th</sup> February 2014	K.J. Somaiya College of Engineering
<b>6</b>	Institutional training program on oil conservation	7 <sup>th</sup> March 2014	Petroleum Conservation Research Association
<b>7</b>	Online certificate course on "Manufacturing Of Composites"	24 <sup>th</sup> July 2017 to 15 <sup>th</sup> September 2017	NPTEL
<b>8</b>	SPSS software training (statistical tool)	17 <sup>th</sup> Feb 2018	KJSCE
<b>9</b>	Hands-on One day workshop on Python Programming and Data analytics	03 <sup>rd</sup> March 2018	KJSCE
<b>10</b>	Nanotechnology opportunities and challenges in Engineering Materials and manufacturing	5 <sup>th</sup> March to 10 <sup>th</sup> March 2018	VJTI
<b>11</b>	Developing soft skills and personality (Online course NPTEL)	August- October 2018	IIT Kanpur
<b>12</b>	Solidworks training	25 <sup>th</sup> August 2018 to 24 <sup>th</sup> November 2018(5 days)	Addonix Technologies Pvt. Ltd.
<b>13</b>	CSWA(Full Exam) for Solidworks	31 <sup>st</sup> October 2019	Online virtual Tester, Solidworks
<b>14</b>	ADAMS training	25 <sup>th</sup> to 29 <sup>th</sup> November 2019	KJSCE
<b>15</b>	Minor Research project paper presentation	16 <sup>th</sup> December 2019	Mumbai University, Fort Campus
<b>16</b>	E learning program Fan and Blower	4-5-2020	Tata Steel
<b>17</b>	E learning program Heat treatment of steel	21-4-2020	Tata Steel
<b>18</b>	E learning program Basic Metallurgy	20-4-2020	Tata Steel
<b>19</b>	E learning Program Measuring Instrument	5-5-2020	Tata Steel
<b>20</b>	E learning Program Lifting tools and tackles	6-5-2020	Tata Steel

## Somaiya Vidyavihar University

<b>21</b>	E learning Program Bulk material Handling	7-5-2020	Tata Steel
<b>22</b>	Webinar Coronavirus, product design and the supply chain – prepare to think differently	28-5-2020	IMechE
<b>23</b>	Somaiya Research Interventions in Engineering & Technology	29-5-2020	Somaiya Institute for Research and Consultancy
<b>23</b>	"Engineering Education and the Industry: A post COVID 19 perspective"	1 st June to 5 th June 2020	Online FDP at RGIT Mumbai"
<b>24</b>	Renewable Energy Engineering: Solar, Wind and Biomass Energy systems (NPTEL Online course)	Jan- March 2021 (8 weeks course)	IIT Guwahati
<b>25</b>	Preconference workshop on Metal Additive Manufacturing: Fundamentals to applications	1 <sup>st</sup> 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: 9 /9 / 2024**

  
**Signature of Faculty Member**