

Somaiya Vidyavihar University

Name: Prof. Shilpa Sadanand Bhambure		E-mail:shilpabhambure@somaiya.edu	
Contact No: (022) 66449529			
Department/Section: Mechanical			
College: K J Somaiya College of Engineering			
DOJ Somaiya: 21 st July 2008	Career Experience: 18 Yrs.	Industry Experience: _-Yrs.	Teaching Experience: 18 Yrs.
Present Academic Designation: (Assistant Professor)		Present Administrative Designation: -	

Area of research/specialization and Courses Delivered
<p>Research domain/interests/areas</p> <ol style="list-style-type: none"> 1. Computer Aided Design and Engineering 2. Composite Materials <p>Courses Delivered</p> <ol style="list-style-type: none"> 1. Engineering Drawing 2. Engineering Mechanics 3. Computer Aided Machine Drawing 4. Computer Aided Design 5. Industrial Engineering & Enterprise resource planning 6. Thermodynamics

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

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D.	Ph.D. Mechanical	Mumbai University	VJTI	2023	
PG	M.E. Mechanical	Mumbai University	KJSCE	2013	74.75%
UG	B.E. Mechanical	Shivaji University	RIT Sakharale	1999	63.58%
Diploma					
NET/SET/Other					

Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	VJTI Matunga, Mumbai	Lecturer	Aug. 2004 – Dec. 2006	January 2007	2 years
2.	K. J. Somaiya COE, Vidyavihar	Lecturer	Jan. 2007 – May 2008	June 2007	1.5 years
3.	K. J. Somaiya COE, Vidyavihar	Assistant Professor	July 2008 – Till Date	-	14.5 years

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Research Accomplishments and Projects		
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: 25
Publications Total: 03	Number of Peer review Journal papers: 03	Number of Conference papers: 05
<p>Details of Publications:</p> <p>International Journals</p> <ol style="list-style-type: none"> 1. Shilpa S. Bhambure, Addanki S. Rao & Thambiannan Senthilkumar “Characterization of Control and Chemically Modified Kenaf Fiber”, Journal of Natural Fibers, Taylor & Francis, https://doi.org/10.1080/15440478.2021.1993500 Impact Factor: 5.323 2. Shilpa Bhambure, A. S. Rao and T Senthilkumar “Analysis of Mechanical Properties of Kenaf and Kapok Fiber Reinforced Hybrid Polyester Composite” Journal of Natural Fibers, Taylor & Francis DOI: 10.1080/15440478.2022.2156964 Impact Factor: 5.323 <p>National Journals</p> <ol style="list-style-type: none"> 3. Shilpa Bhambure, A. S. Rao and T Senthilkumar (2022) “Effect of Chemical Treatments on Physical Properties of Kenaf Bast Fibers”, Indian Journal of Fiber & Textile Research (IJFTR) NISCAIR Publications Impact factor: 0.84 <p>Conferences</p> <ol style="list-style-type: none"> 4. Shilpa Bhambure, A. S. Rao “Experimental Investigation of Impact Strength of Kenaf Fiber Reinforced Polyester Composite” VIT Chennai March 2021, Materials Today: Proceedings 46(6) DOI: 10.1016/j.matpr.2021.02.055, Volume 46, Part 2, 2021, Pages 1134-1138. 5. Shilpa Bhambure, A. S. Rao “Estimation of Mechanical Properties of Kenaf Fiber Reinforced Polyester Composites” Lecture Notes in Mechanical Engineering, https://doi.org/10.1007/978-981-16-7787-8, Print ISBN 978-981-16-7786-1, ISBN 978-981-16-7787-8 (eBook). 6. Shilpa Bhambure, A. S. Rao “A Review on Bio tribology in Engineering and Medical Applications” Tribo India 2018, VJTI Mumbai (SSRN Electronic journal). 7. Shilpa Bhambure, A. S. Rao “A Role of Bio Manufacturing in Industrial Applications” NITIE Mumbai (SSRN Electronic journal). 8. Shilpa Bhambure, A. S. Rao “A Review on Bio Composites in Industrial Applications” Pillai College of Engineering. <p>Books/Book Chapters</p> <ol style="list-style-type: none"> 9. --- <p>Patents/Copy Rights</p> <ol style="list-style-type: none"> 1. ---- 		
No of Research / consultancy / projects completed: -- Rs: --	No of Research / consultancy / projects on-going: -- Rs: --	No of Research / consultancy / projects on applied as on date:02 Rs: 8,50,000 Rs: 41,43,360

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Details of Research / consultancy / projects:

Completed ---

On-going ---

Applied

1. SVU Collaborative Research
2. Core Research Grant

IPR/ Copyrights

1. ---

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

Attended

1. Four days training program on Inventor Professional (2008) at Don Bosco Institute of Technology, Vidyavihar, Mumbai from 29th July – 1st August 2008.
2. One week STTP on Manufacturing processes and Systems: An IT Perspective (University Approved) in K. J. Somaiya College of Engineering, Vidyavihar, Mumbai- 400 077 conducted during 6th July – 10th July 2009.
3. Two week workshop on (ISTE workshop) Thermodynamics in Mechanical Engineering at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai- 400 077 remote centre conducted by IIT Bombay during 14th June – 24th June 2011.
4. One day program on J-Gate training programme at Bharati Vidyapeeth College of Engineering Kharghar, Mumbai held in June 2012.
5. One day orientation program on Engineering Drawing at SIES, Nerul, Mumbai held on 10th September 2012.
6. One week Workshop on (TEQIP) Product Design Validation Using Finite Element Analysis (TEQIP) at Sardar Patel College of Engineering, Andheri during 24th June to 28th June 2013.
7. Three days' workshop on Computer Aided Machine Drawing at Fr. C. Rodrigues Institute of Technology, Vashi during 11th July - 13th July 2013.
8. One day training programme on "E-Foundry: Casting Design and Simulation" at VJTI Matunga Mumbai in association with IIT Bombay held on 26th October 2013.
9. Two week workshop on (ISTE workshop) Engineering Mechanics at SIES, Nerul Mumbai remote centre conducted by IIT Bombay during 26th Nov – 6th December 2013.
10. One day Institutional training program on Energy Conservation at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai- 400 077 held on 7th March 2014.
11. One week Training program on Solid works Design, Validation Software at K. J. Somaiya College of Engineering, Vidyavihar, Mumbai- 400 077 in the month of January 2015.
12. One day training program on Internet of Things (IoT) at Sardar Patel College of Engineering, Andheri Mumbai held on 7th May 2016.
13. One day Workshop on "VSSC ISRO'S FEAST Technology at Mech. Dept. VJTI on 8th Nov. 2016
14. One week STTP on "Biology for Engineers" conducted by IIT Bombay during 5th June – 9th

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June 2017

15. Three days' workshop on Medical Device Hackathon (MEDHA-2017) conducted by IIT Bombay, during 14th July-16th July 2017. (Received Winner award of the event (Free entry to MEDIC at COEP in Sept. 2017))
16. Two days' workshop on "3D printing" conducted by IIT Bombay, during 21st and 22nd August 2017.
17. Five days "Medical Device Innovation Camp" (MEDIC-2017) conducted by COEP Pune during 13th -17th September 2017.
18. Six days workshop on "Fundamentals and applications of Fracture Mechanics" at VJTI Matunga Mumbai during 22nd -27th January 2018.
19. NPTEL online course on "Introduction to Research" Aug-Sept-2018.
20. One day workshop on "Industrial Tribology" at VJTI Matunga Mumbai on 12 December 2018.
21. Three days' workshop on "Fiber Reinforced Composites" at CIRCOT Mumbai during 4-6 February 2019.
22. NPTEL online course on "Introduction to Composites" from Jan-Apr 2019.
23. Webinar on Design- Past, Present and Future organized by Department of Mechanical Engineering, D.J. Sanghavi 13th June 2020.
24. Online Faculty Development Programme on "Advances In Composite Materials and Manufacturing Process" organized by Department of Mechanical Engineering, St. Ann's College of Engineering and Technology, Chirala from 22/06/2020 to 26/06/2020.
25. Participated and passed the Online quiz "Advances in Composite Materials and Manufacturing Process" conducted by Department of Mechanical Engineering, St. Ann's College of Engineering and Technology, Chirala on 26-06-2020.
26. Online FDP on "Online Teaching and E Content" conducted by S.K.Somaiya College on 11th and 12th June 2020.
27. Webinar on "Virtual lab for Experimental Learning" conducted by L.T College of Engineering on 18th June 2020.
28. Online STTP on "Applications of Optimization Techniques in Mechanical Engineering" organized by Vitarka Projects from 7-11 August 2020.
29. Online webinar on "Transforming Business Operations using Industry 4.0 Technologies" organized by IIIE Mumbai Chapter on 11th July, 2020.
30. One day Symposium "Awareness to action- Single use Plastic" conducted by KJSCE Mechanical department on 22nd February 2022.

Organized

1. World Environment Day 5th June 2021 workshop on Exploring Green Behaviours through

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Social Psychology Organized by K J Somaiya College of Engineering's Eco- task force under the UGC Quality Mandate SATAT and IQAC.

2. Medical Device Hackathon May 2022 organized by KJSCE in collaboration with IIT Bombay.
3. Seminar on 'Introduction to Intellectual Property' organized by KJSCE in collaboration with NIPAM (Patent Office Mumbai, Government of India).
4. Seminar on ChatGPT September 2023 under IQAC Kjsce

Delivered:

1. Lecture on composite testing at CIRCOT Mumbai on composite materials

Notable Key Scholastic Achievements

1.

2.

Notable Positions and Responsibility

1. Joint Coordinator IQAC Kjsce

2. Placement Committee Department Coordinator

3. Research and development committee

Date: 14/09/ 2023

Signature of Faculty Member