



JSS Mahavidyapeetha

JSS Academy of Technical Education

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060


www. Jssateb.ac.in



FACULTY PROFILE

Department: Mechanical Engineering

1. Personal Details

NAME	Dr YOGESHA K B	
DEPARTMENT	Mechanical Engineering	
DESIGNATION	Associate Professor	
PHONE	+91 9448412504	
EMAIL ID	yogeshakb@jssateb.ac.in	
Date of Joining (JSSATEB)	01-12-2014	

2. Experience

Total Experience in Years	Teaching: 21 Years	Industry: 01	Research: 06 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	Mechanical Engineering	1997	Siddaganaga Institute of Technology Tumakuru, Karnataka 572103 INDIA	Bangalore University, Bengaluru, Karnataka
M.E	Machine Design	2001	BMS College of Engineering, Bull Temple Rd, Basavanagudi, Bengaluru, Karnataka 560019 Karnataka INDIA	Bangalore University, Bengaluru, Karnataka
Ph.D.	Materials and Design	2016	Jawaharlal Nehru Technological University (JNTUA) Anantapuramu Andhra Pradesh 515002	Jawaharlal Nehru Technological University Anantapuramu,
Post Doc.	-	-	-	-

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 09	National: Nil
Papers Published in SCOPUS indexed Journals	International: 02	National: Nil

Papers Published in other Journals	International: Nil	National: 03
Papers Presented in Conferences / Symposium	International:07	National: 04
Books / Book chapters Published	Name of the book: Springer Proceedings in Materials Publisher: Springer, e-Book chapter: Year of Publication: Vol: 8, Pp: 781-792, October 2020	
	Name of the book: Advances in Mechanism and Machine Science Publisher: Springer, e-Book chapter Year of Publication: Vol: 73, Pp: 3903-3913, Year: June 2019	

5. Research Guidance

PhD Guide? Give field & University	Yes, Materials and Design, Composite materials, FEM, Tribology, Vibration, Mechanisms.	University: Visvesvaraya Technological University, Belagavi,
PhDs / Projects Guided	Ph.D. Awarded: Nil Guiding: 04 (Four)	Projects at Master's Level: 05 Projects at Bachelor's Level: 20

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
Students Formula Race Prototype Model	One Lakh	18 th January 2021	01 year	AICTE under Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES).

ii. Patents: Nil

Sl. No.	Title Details	Details of award of patent / Filed
-	-	-

iii. Consultancy: Nil

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

7. Awards Received

-	Nil
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8. Member of BOS/ BOE/ Board/ Governing Council/ Committees (University or State Level)

Sl. No.	Name of the Committee	Position	From Date	To Date	Name of the University/ Organization/ Board
1	BOE	Member	August 2017	July 2018	VTU, Belagavi
2	-	--	-		-

9. Publications

i. International Journals

Sl. No	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Influence of hybrid reinforcement on thermal conductivity of Al7075 based composites.	Santhosh Kumar, D P Girish, Yogesha K B, & MC Jeevan	Materials Research Express	Volume No.:6 Issue No.:12 Year: Nov. 2019 Page No.:1-9	Web of Science	1.783	IOP Publishing
2	Evaluating machining performance of AISI 1014 steel using gingelly oil as cutting fluid	Yogesha K B, Alam Radhika, & Shailesh Rao A,	Australian Journal of Mechanical Engineering	Year: July 2019 (Online) https://doi.org/10.1080/14484846.2	Web of Science	0.96	Taylor & Francis online
3	Microstructure studies and mechanical characterisation of T6 Heat treated aluminium and copper based alloy reinforced with Zircon and graphite composite.	K. C. AnanthaPadmanabham, Mruthunjaya M, B. P. Shivakumar, Yogesha K. B, Siddappa P. N.	Journal of Engineering Science & Technology	Volume No: 14 Issue No.: 4 Year: Aug. 2019 Pages: 2063 – 2073	Web of Science	0.79	Taylor's University
4	Finite Element Analysis (FEA) and Thermal Gradient of a Solid Rectangular Fin with Embossing's for Aerospace applications	Yogesha K. B, Joel Hemanth	Advances in Aerospace Science and Technology	Vol: 3. Pages: 49-60. Year: July 2018 https://doi.org/10.4236/aast.2018.33004	-	-	Scientific Research Publishing Inc., USA (SCIRP)

ii. National Journals

Sl. No	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Tribological behavior of Austempered Chilled Ductile Iron (ACDI).	Yogesha K. B, Joel Hemanth	International Journal of Material Sciences and Technology (IJMST),	Volume No: 4, Issue: 2, Year: December 2013, Page no: 77-89. ISSN: 2249-3077,	-	-	Research India publication
2	Development of Austempered chilled ductile iron (ACDI) and evaluation (IJoMS) of mechanical properties	Yogesha K. B, Joel Hemanth	International Journal of Materials science	Volume: 8, Issue: 1, Year: January 2013, Page Nos. : 1-12.	-	-	Research India publication
3	Mechanical Properties of Metallic and Non-Metallic Chilled Austempered Ductile Iron (ACDI)",	Yogesha K. B, Joel Hemanth	International Journal of Advanced Engineering Research and Studies	Volume No. :1. Issue :2 Year: March 2012. Page Nos. : 240-243.	-	-	Technical journal online .com

iii. Conferences

Sl. No	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	A review on conventional and thermal assisted machining of titanium based alloy	Mruthunjaya M. Yogesha K.B.	Materials Today: Proceedings	21.04.2021 (online) https://doi.org/10.1016/j.matpr.2021.03.490	Web of Science	0.97	Elsevier

2	Synthesis and characterization of cold extruded Al/TiC metal matrix composite produced by stir casting technique.	Siddappa P.N. B.P. Shivakumar Yogesh K.B.	Materials Today: Proceedings	04-03-2021(online) https://doi.org/10.1016/j.matpr.2021.01.757	Web of Science	0.97	Elsevier
3	Experimental investigations to find the effect of post weld heat treatment (PWHT) on the microstructure and mechanical properties of FSW dissimilar joints of AA2024-T351 and AA7075-T651.	K.S. Anil Kumar, K.B. Yogesha	Materials Today: Proceedings	23.02.2021(online) https://doi.org/10.1016/j.matpr.2021.01.867	Web of Science	0.97	Elsevier
4	Energy Release Rate Evaluation of Bi-material Interface Cracks.	M. Prajwal, Yogesh K. B., Kalmeshwar Ullegaddi K. G. Basava Kumar	Springer, e-Book chapter: Springer Proceedings in Materials	Volume: 8 Pages: 781-792. Year: October 2020 https://doi.org/10.1007/978-981-15-7827-4_79 .	Scopus	-	Springer, Singapore
5	Mechanical and Tribological Characterization of Hybrid Composites: A Review.	Yogesh K. B, Prasanna S N, Mruthunjaya M, B. P. Shivakumar, Siddappa P. N	Materials Today: Proceedings ICMMM 2019 at VIT, Vellore.	Volume No: 22, Part :4, Year: May 2020, Pages: 2351-2358 https://doi.org/10.1016/j.matpr.2020.03.357	Web of Science	0.97	Elsevier
6	The effect of TiC particulate reinforcement on dry sliding wear behaviour of Al based composites.	Siddappa P. N., B. P. Shivakumar, Yogesh K. B Mruthunjaya M.	Materials Today: Proceedings ICMMM 2019 at VIT, Vellore.	Volume No: 22, Part :4, Year: May 2020, Pages 2291-2299 https://doi.org/10.1016/j.matpr.2020.03.350	Web of Science	0.97	Elsevier
7	Effect of SiC Particulate on Dry Sliding Wear Behaviour of Al based Forged Metal Matrix Composites.	Siddappa P. N., B. P. Shivakumar, Yogesh K B Mruthunjaya M,	Advances in Mechanism and Machine Science e-book by Springer.	Vol: 73 Pp: 3903-3913 Year: June 2019 IFTOOM 2019 at Krakow, Poland https://doi.org/10.1007/978-3-030-20131-9_387	Scopus	-	Springer
8	Machinability study of Al-TiC metal matrix composite, Scopus indexed SJR Journal	PN Siddappa, B P Shivakumar, K B Yogesha, M Mruthunjaya, M B Hanamantraygouda	MATEC Web of Conferences International Conference on Research in Mechanical Engineering Sciences (RiMES 2017)	Vol: 144, Issue: 03, pp. 1-14. January. 2018 https://doi.org/10.1051/mateconf/201814403001	Web of Science	0.44	EDP Sciences

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	3rd International Conference on Materials, Manufacturing, and Modelling - ICMMM 2021	Department of Mechanical Engineering CMMM 2021 at VIT, Vellore.	20 th March 2021 (online)
2	Three Days Workshop on "Building Research Eco-System"	Department of Mechanical Engg, JSSATEB, Bangalore	2 nd to 4 th March 2021

3	International Workshop on Design and Manufacturing of Composites for Engineering Applications (online)	One Week Faculty Development Program Indian institute of technology (IIT) Mandi, Himachal Pradesh	1 st to 5 th February 2021 (online)
4	International Conference on Advanced Light-weight Materials and Structures	Department for Mechanical Engg. CMR Technical Campus, Hyderabad.	6 th to 7 th March 2020 (Online)
5	International Conference on Advanced Trends in Mechanical and Aerospace Engineering (ATMA-2019)	Dayananda Sagar University, School of Engineering, Bengaluru	7 th to 9 th November 2019
6	2nd International Conference on Materials, Manufacturing, and Modelling - ICMMM 2020	Department of Mechanical Engineering CMMM 2019 at VIT, Vellore.	29 th to 31 st March 2019.
7	Mechanical and Tribological Behavior of Advanced Composites,	One Week Faculty Development Program Department of Mechanical Engg, NIT, Warangal,	21 st to 25 th January 2019.
8	Composite Materials in Engineering Application: Design and Manufacturing perspective	One Week Faculty Development Program Indian institute of technology (IIT) Mandi, Himachal Pradesh	15 th -19 th January 2018
9	Theoretical and Computational Mechanics	One Week Faculty Development Program NMAM institute of technology Nitte - 574110	29 th - 21 st January 2017,
10	International Conference on Mechanical Engineering ICME– 2014 on “Composite Materials”	VVIT, Bangalore, India.	21 st - 23 rd August 2014,
11	International Conference on “ICCOMIM-2012	MS Ramaiah Institute of Technology, Bangalore.	11 th to 13 th July 2012.
12	International Conference on Advanced Materials-2011,(ICAM 2011)	BTL Institute of Technology, Bangalore	19 th to 20 th August 2011
13	National Conference on Engineering Knowledge	SBM Jain College of Engineering, Bangalore	28 th Aug 2010.
14	National Conference on Advanced Forming Technologies (AFT-2010)	R.V. College of Engineering, Bangalore,	15 th -16 th April 2010.
15	NATCON-ME-2005	Ghousia College of Engg., Ramanagaram-	11 th – 12 th March 2005.
16	National conference of Engineering Materials	National Engineering College, K.R. Nagar, Kovilpatti, Tamil Nadu,	11 th -12 th Oct, 2003

v. Workshops / Conference (Organised):Nil

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
-	-	-	-	-

vi. Workshop / Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	“3D PRINTING & DESIGN”	One Week Faculty Development Program Sponsored by AICTE Training And Learning (ATAL) Academy, Department of Mechanical Engg, JSSATEB, Bangalore	1 st to 5 th February 2021 (online)
2	AICTE sponsored online six days short term training program on Finite Element Analysis using ANSYS	Department of Mechanical Engg, ABES Engineering college, Ghaziabad, Dr A.P.J Abdul Kalam Technical University, Uttar Pradesh, Lucknow	04 th August to 9 th August 2020A

10. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organised by	Date of completion / Award	Grade / Marks
1	Introduction to Composites	NPTEL MHRD, INDIA	Dec 2020	Elite / 70%
2	Vibration and Structural Dynamics	NPTEL, IIT Madras, MHRD, India	July 2019	Elite / 64%
3	Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading	Coursera, Georgia Institute of Technology, USA	03/06/2020	93.33%
4	Mechanics of Materials II: Thin-Walled	Coursera, Georgia Institute	09/06/2020	100.00%

	Pressure Vessels and Torsion	of Technology		
5	Materials Science: 10 Things Every Engineer Should Know	Coursera, University of California	18/06/2020	99.20%
6	Introduction to Engineering Mechanics	Coursera, Georgia Institute of Technology.	23/06/2020	100%

11. Membership of Professional Bodies:

1. Life Membership in Indian Society for Technical Education (MISTE)- LM-30532.
2. The Institution of Engineers (MIE). Life Member-M1669936

12. Any other information you will like to share about your professional experience

Name & Designation of the Faculty Member

Dr YOGESHA K B
Associate Professor
JSS Academy of Technical Education
Bangalore 560060