



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. Mruthunjaya M	
DEPARTMENT	Mechanical Engineering	
DESIGNATION	Associate Professor	
PHONE	+91 9844081563	
EMAIL ID	mmruthunjaya@jssateb.ac.in	
Date of Joining (JSSATEB)	17-08-2011	

2. Experience

Total Experience in Years	Teaching: 26 Years	Industry: NIL Years	Research: 10 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E	Mechanical Engineering	1991	Sri Jayachamarajendra College of Engineering, Mysore-India	Mysore University, Mysore, Karnataka
M.Tech or M. E	Maintenance Engineering	1994	Sri Jayachamarajendra College of Engineering, Mysore-India	Mysore University, Mysore, Karnataka
Ph.D.	Composite Materials	2015	Siddaganga Institute of Technology, Tumkur -India	Visvesvaraya Technological University, Belgaum Karnataka
Post Doc.	---	--	--	--
Others	--	--	--	--

4. Research & Publications

Papers Published in Web of Science indexed Journals	International:01	National: --
Papers Published in SCOPUS indexed Journals	International:04	National: --
Papers Published in other Journals	International:3	National:

Papers Presented in Conferences / Symposium	International:7	National:
Books / Book chapters Published	Name of the book: --NIL Publisher: Year of Publication:	
	Name of the book: -- Publisher: Year of Publication:	

5. Research Guidance

PhD Guide? Give field & University	YES, Composite Materials	a. University: Visvesvaraya Technological University, Belagavi,
PhDs / Projects Guided	Ph.D. Awarded:01 Guiding: 02	Projects at Master's Level:02 Projects at Bachelor's Level:20

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount, Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
NIL				

ii. Patents

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

iii. Consultancy

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

7. Awards Received

1	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	NIL				

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	Electronic Gauge for Micron Measurement and its Relevance to Industry 4.0. https://doi.org/10.1007/s42979-021-00570-3	Prathima B A. Sudha P N. Suresh P.M. Mruthunjaya M.	SN Computer Science, Springer Nature	Volume No.:2 Issue No.: 3 Page No.: 195 Year : 2021	Others	-	Singapore Pte Ltd,

2	Microstructure studies and mechanical characterisation of t6 Heat treated aluminium and copper based alloy reinforced with Zircon and graphite composite	K. C. Anantha Padmanabham, Mruthunjaya M, B. P. Shivakumar, Yogesha K. B, Siddappa P. N.	Journal of Engineering Science & Technology School of Engineering,	Volume No.: 14 Issue No.: 4 Page Nos.: 2063 - 2073 Year: Aug. 2019	WOS	0.19 Google Impact factor: 0.21	Taylor's University
3	Mechanical and Tribological Characterization of Hybrid Composites : A Review.	Prasanna S N, Siddappa P. N, Mruthunjaya M, B. P. Shivakumar, Yogesha K. B.	Materials Today: Proceedings ICMMM 2019 at VIT, Vellore.	Volume 22, Part 4, 2020, Pages 2351-2358	Scopus	0.97	Elsevier
4	The effect of TiC particulate reinforcement on dry sliding wear behaviour of Al based composites.	Siddappa P. N., B. P. Shivakumar, Mruthunjaya M Yogesha K. B.	Materials Today: Proceedings ICMMM 2019 at VIT, Vellore.	Volume 22, Part 4, 2020, Pages 2291-2299	Scopus	0.97	Elsevier
5	Root cause analysis of forged spline yoke shaft using finite element method. https://doi.org/10.1016/j.matpr.2018.10.136	Suresh PM Mruthunjaya M,	Materials today: proceedings. ELSEVIER.	Volume No.:5 Issue No.: 11 Page No.: 23491-23498 Year : 2018	Scopus	0.837	Elsevier
6	Microstructural Characterization and Hot Erosion Behavior of CrC-NiCr Coated Steel Using HVOF Technique. http://www.iaeme.com/currentissue.asp?JType=IJMET&VType=7&IType=2	Mruthunjaya M, Dr. K I Parashivamurthy, Devappa	International Journal of Mechanical Engineering and Technology.	ISSN.: 0976-6340 Volume No.: 7 Issue: 3 Page Nos. : 53-62 Month & Year : May-June 2016	Other	SNIP: 0.336 Google Impact factor: 0.21	IAEME Publication.
7	Microstructural Study And Tribological Behavior of Wc-Co Coatings on Stainless Steel Produced by HVOF Spray Technique.	Mruthunjaya M, Dr. K I Parashivamurthy,	International Journal of Mechanical Engineering and Technology.	ISSN.: 0976-6340 Volume No.: 5 Issue: 1 Page Nos.: 132-139 Month & Year : January 2014	Scopus	SNIP: 0.336 Google Impact factor: 0.21	IAEME Publication
8	Sliding Wear Behavior of Alumina/Tic Coated Steel Produced by Plasma Spray Technique, DOI: 10.9756/BIJIEMS.1876	Mruthunjaya M, Dr. K I Parashivamurthy	Bonfring International Journal of Industrial Engineering and Management Science.	ISSN.: 2277-5056 Volume No.: 4 Issue: 1 Page Nos.: 30-33 Month & Year: Feb. 2014	other	0.541 Google Impact factor: 0.35	Bonfring Publication

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
	NIL						

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	Effect of SiC Particulate on Dry Sliding Wear Behaviour of Al based Forged Metal Matrix Composites. https://doi.org/10.1007/978-3-030-20131-9_387	Siddappa P. N., B. P. Shivakumar, Yogesha K. B., Mruthunjaya M,	e-book by Springer. Springer Krakow, Poland.	IFTOOM 2019	Scopus	SJR 0.17	Elsevier
2	Live Production Data Monitoring System to Support Industry 4.0 Scenario.	Prathima B A. Sudha P N. Suresh P.M. Mruthunjaya M	4th International Conference on Science, Agriculture and Technology for Society (ICSTS-2019)	13-15 May 2019			East-West Institute of Technology, Bangalore
3	Machinability study of Al-TiC metal matrix composite. https://doi.org/10.1051/mateconf/201814403001	Siddappa P. N., B. P. Shivakumar, Yogesha K. B., Mruthunjaya M, Hanamantraygoda	MATEC Web of Conferences 144, 03001 (2018)	21- 23, December, 2017		SJR 0.17	RiMES 2017 MIT-Manipal
4	Health monitoring of Tool in Drilling Mild Steel Using Acoustic Emission and Surface Roughness Techniques and Optimization of Process Parameters,	G. M. Swamy , Dr. Shankaragoud Nyamannavar , Dr.Mruthunjaya. M	. 4th International Conference on Computational Methods in Engineering and Health Sciences,	19-20, December. 2017			ICCME H2017 MIT-Manipal
5	Wear and Corrosion behavior of WC-12Co coated stainless steel using HVOF method.	Mruthunjaya M, K I Parashivamurthy	International conference on Advanced Materials Manufacturing. Management& Thermal Sciences (AMMMT)	3 - 4 May, 2013			AMMM T- SIT. Tumkur.
6	Effects of Al-TiC Coating on Steel by Plasma Spraying Technology,	Mruthunjaya M, K I Parashivamurthy	International conference on Challenges & Opportunities in Mechanical Engineering,	11 -13 July, 2012			MSRIT. Bangalore.
7	Behavior of Thermal Sprayed Tungsten Carbide Coatings on Mild Steel.	Mruthunjaya M, K I Parashivamurthy , S M Shashidhara,	International conference on Advanced Materials Manufacturing Management& Thermal	18-19 Nov, 2010			AMMM T-SIT- Tumkur.

			sciences(AMMM T),				
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iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	Advanced Nano Materials, Nano Fabrication Techniques & Devices	Department of Mechanical Engineering, BMS Institute of Technology & Management	10-08-2020 to 14-08-2020
2	Role of Light weight Material Design & Processing for Aerospace & Spacecraft Applications: A Novel Approach by Machine Learning & IOT Using Python Programming	Dayananda Sagar College of Technology & Mangement Bangalore	27-07-2020 to 31-07-2020
3	Advances and Research in Mechanical Engineering	Department of Mechanical Engineering K S School of Engineering and Technology and Management, Bengaluru	20-07-2020 to 24-07-2020
4	Research Proposal Writing and Oppurtunities in the field of Science Engineering and Management	R&D Center-Bangalore Institute of Technology	06-07-2020 to 11-07-2020
5	Development, Mechanical, characterization and applications of advanced Composites	Department of Mechanical Engineering, NIT, Warangal,(Gian course)	17th to 22nd , September 2018
6	Computational Fluid Dynamics	Department of Mechanical Engineering, SJBIT, Bengaluru,	22nd to 27th , January 2018
7	Modern technologies in foundry practice	Department of Mechanical Engineering, JSSATE, Bengaluru	4th to 8th, January 2016
8	Materials, Microstructure Characterization Using Optical and Scanning Electron, Microscopy	IIT. Hyderabad	20 th to 24th, December, 2015
9	Recent advances in Internal combustion Engines.	Department of Mechanical Engineering, MSRIT, Bengaluru	20th to 24th, July 2015
10	Theoretical, Computational and Applied Mechanics.	Department of Mechanical Engineering, BMSCE, Bengaluru	16th to 20th June 2014
11	Teach the Teachers on CNC Technology.	Department of Mechanical Engineering, JSSATE, Bengaluru	1st to 5th July, 2013

v. Workshops / Conference (Orgained)

Sl. No.	Name of the workshop / Conference	Organised by	Date	Role
	NIL			

vi. Workshops / 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 and Design	JSS Academy of Technical Education, Bengaluru	01-02-2021 to 05-02-2021
2	One Week Short Term Training Program on "Recent Advancements in Materials & Manufacturing	Department of Mechanical Engineering, GZSCCET MRSPTU, Bathinda.	25-01-2021 to 30-01-2021
3	FRP Composites	L D College of Engineering	18-01-2021 to 22-01-2021
4	Novel Materials	Sri Shankaracharya Sri Technical Campus- Shankaracharya Group of Institutions	02-11-2020 to 06-11-2020

10. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organised by	Date of completion / Award	Grade / Marks
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1	Engineering Metrology	NPTEL, 12 Weeks	20-12-2020	Elite + Silver 87%
2	Material Behavior	Coursera	26-06-2020	-
3	Nature and Properties of Materials	NPTEL, 8 Weeks	24-06-2020	Elite + Silver 75%
4	Materials Science: 10 Things Every Engineer Should Know	Coursera	12-06-2020	-
5	Manufacturing of Composites	NPTEL, 8 Weeks	07-10-2019	Elite + Silver 78%

11. Membership of Professional Bodies:

1. Life Membership In Indian Society For Technical Education (MISTE)
2. Member International Association of Engineers(IAENG)
3. Life Membership In Institution of Engineers (INDIA)

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

Name & Designation of the Faculty Member

**Dr. Mruthunjaya M
Associate Professor**