



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	Umamaheshwar Hebbal	
DEPARTMENT	Mechanical Engineering	
DESIGNATION	Assistant Professor	
PHONE	+91 9980045467	
EMAIL ID	umamaheshwarhebbal@jssateb.ac.in	
Date of Joining (JSSATEB)	06-08-2015	

2. Experience

Total Experience in Years	Teaching: 06 Years	Industry: 10 Years	Research: NIL
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E	Mechanical Engineering	2000	PDA College of Engineering, Kalaburagi-585106, Karnataka INDIA	Gulbarga University, Kalaburagi- 585102 Karnataka, INDIA
M.Tech	Thermal Power Engineering	2014	The Oxford college of Engineering, Bengaluru-560068, Karnataka, INDIA	Visvesvaraya Technological University, Belagavi-590018, Karnataka, INDIA
Ph.D.	Faculty of Mechanical Engineering	Pursuing	Department of Industrial Engineering, JSS Academy of Technical Education, Bengaluru-560060, Karnataka,	Visvesvaraya Technological University, Belagavi-590018, Karnataka, INDIA

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: NIL	National: NIL
Papers Published in SCOPUS indexed Journals	International: NIL	National: NIL
Papers Published in other Journals	International: 01	National: NIL
Papers Presented in Conferences / Symposium	International: 02	National: NIL
Books / Book chapters Published	Name of the book: -- Publisher: Year of Publication:	
	Name of the book: -- Publisher: Year of Publication:	

5. Research Guidance

PhD Guide? Give field & University		University:
PhDs / Projects Guided	Ph.D. Awarded: Guiding:	Projects at Master's Level: 01 Projects at Bachelor's Level: 05

6. Grants

i. Funds Received (Projects)

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

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
01	An experimental investigation of the heat transfer in the thermal drying process, by convection of agricultural products.	Filed with Patent Application number- 2021410 16992, CBR-13371

iii. Consultancy

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

7. Awards Received

1	
2	

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	Research Areas in Mechanical Engineering	CMRIT, Bangalore	28 th June to 3 rd July 2020
2	Research Skill Development	GITAM, Hyderabad	June 23-27, 2020
3	Performance analysis of nanofluid based photovoltaic thermal (PVT) solar collectors: A review	National Institute of Technology Karnataka, Surathkal	February 7-9, 2020
4	Application of Nanofluids as Photovoltaic Thermal (PVT) Solar Collectors: A Review	Christ University, Bengaluru	September 19-21, 2018
5	“Recent Advances In Solar Energy, Optimization And Its Applications”	Nitte Meenakshi Institute of Technology, Bangalore-64, Karnataka, INDIA.	November 23-27, 2020
6	Dessign and Analysis of Mechanical Systems	NIT, Trichy	June 10-15, 2019
7	Computatinal Fluid Dynamics	SJB Institute of Technology, Bangalore	Jan 22-27, 2018
8	Performance Evaluation and O&M of solar thermal power systems	NISE, MNRE, Haryana,	April 20-24, 2017
9	Compact Heat Exchangers for Aerospace Applications	PES of Technology, Bangalore	Dec.21-22, 2015
10	Faculty Orientation	Visvesvaraya Technological University, Regional Center, Mysuru	Sep. 7-11 2015

v. Workshops / Conference (Orgained)

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

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	Thermal Engineering (Phase-3)	Kalpataru Institute Of Technology, Tiptur, Karnataka 572201	April 22-28, 2021
2	Basic Concepts in Turbomachinery and its Applications	National Institute of Engineering, Mysore	August 24-28, 2020
3	Novel Materials	Government college of engineering, Thanjavur.	August 17-21, 2020
4	Recent Development and challenges in materials and manufacturing process	Bangalore Institute of Technology, Bangalore	Jan 1-13, 2018
5	Recent advances in Renewable Energy	MS Ramaiah Institute of Technology Bengaluru	July 18-23, 2016

10. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organised by	Date of completion / Award	Grade / Marks
1	Fluid Machines	IIT Kharagpur (NPTEL)	Oct 2019	55%
2	Experimental Methods in Fluid Mechanics	IIT Guwahati (NPTEL)	Jan 2020	89%
3	Solar Energy Engineering and Technology	IIT Guwahati (NPTEL)	Under Progress	62%
4	Introduction to Thermodynamics: Transferring Energy from Here to There	UNIVERSITY OF MICHIGAN (COURSERA)	June 25, 2020,	92.29%
5	Fundamentals of Macroscopic and Microscopic Thermodynamics	UNIVERSITY OF COLORADO BOULDER (COURSERA)	July 20, 2020	100%
6	Materials Science: 10 Things Every Engineer Should Know	UNIVERSITY OF CALIFORNIA, DAVIS (COURSERA)	August 3, 2020	86.25%

11. Membership of Professional Bodies:

1. Life Membership in Indian Society for Technical Education (MISTE), LM 127183
2. International Association of Engineers , LM- 190994
3.

12. Any other information you will like to share about your professional experience**Name & Designation of the Faculty Member**

Umamaheshwar Hebbal
Assistant Professor,
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