



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. Gowreesh Subramanya S	
DEPARTMENT	Mechanical Engineering	
DESIGNATION	Associate Professor	
PHONE	+91 9959577166	
EMAIL ID	Gowreesh.ss@jssateb.ac.in	
Date of Joining (JSSATEB)	14-09-2015	

2. Experience

Total Experience in Years	Teaching: 05 Years	Industry: 12	Research: 17 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E. / M.Sc.,	Mechanical Engineering	1999	Kalpataru Institute of Technology, Tiptur, Karnataka	Bangalore University
M.E. / M.Tech. / M.Sc.	Thermal Engineering	2004	PDACE, Gulbarga, Karnataka	VTU, Belgaum
Ph.D.	CFD and Aero Engines	2014	JNTU Hyderabad	JNTU Hyderabad
Post Doc.				

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 05	National: nil
Papers Published in SCOPUS indexed Journals	International: 06	National: nil
Papers Published in other Journals	International: 28	National: nil
Papers Presented in Conferences / Symposium	International: 03	National: nil
Books / Book chapters	Nil	

Published	Name of the book: Publisher: Year of Publication:
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5. Research Guidance

PhD Guide? Give field & University	Yes	Field: Computational Fluid Dynamics, Thermal Management, Finite Element Analysis University: VTU - Belgaum
PhDs / Projects Guided	Ph.D Awarded : Nil Guiding : 05	Projects at Master level: 14 Projects at Bachelor level: 12

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
AICTE - SPICE	1,00,000/-	Jan'2021	1 Year	AICTE
Investigation on Use of Preheated neem oil bio diesel in DI Diesel engine.	11,000/-	March'2016	6 months	Karnataka state Council for Science and Technology, Indian Institute of Science, Bangalore, Karnataka, India
Design and development of tehetered high pressure air propelled drone for mist application of agriculture enhancers	8,500/-	March'2017	6 months	Karnataka state Council for Science and Technology, Indian Institute of Science, Bangalore, Karnataka, India
Natural Draft Biomass Gasifier Stove	11,000/-	March'2017	6 months	Karnataka state Council for Science and Technology, Indian Institute of Science, Bangalore, Karnataka, India
Design Optimization of Areca Leaf plate making machine	8,500/-	March'2019	6 months	Karnataka state Council for Science and Technology, Indian Institute of Science, Bangalore, Karnataka, India
Power Generation Using Magnetic Levitation Vertical Axis Wind Turbine	8,500/-	March'2019	6 months	Karnataka state Council for Science and Technology, Indian Institute of Science, Bangalore, Karnataka, India
Design and Fabrication of Automated waste segregation machine	7,500/-	March'2020	6 months	Karnataka state Council for Science and Technology, Indian Institute of Science, Bangalore, Karnataka, India
Design and Fabrication of Power generator for rural areas using wind belt technology	7,000/-	March'2021	6 months	Karnataka state Council for Science and Technology, Indian Institute of Science, Bangalore, Karnataka, India
Design and Fabrication of River cleaning Machine	8,000/-	March'2021	6 months	Karnataka state Council for Science and Technology, Indian Institute of Science, Bangalore, Karnataka, India
Design and Development of rollator walker with GAIT pattern recorder for elderly and physically challenged people	6,000/-	March'2021	6 months	Karnataka state Council for Science and Technology, Indian Institute of Science, Bangalore, Karnataka, India

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	Sub-Assembly for flat plate solar collector, CBR no: 1349, Application No. 326181-001, Date of Grant: 21/02/2020	Awarded
2	Tethered High Pressure Air Propelled Drone for Mist Application of Agricultural Enhancers. CBR no.: 32556, Date of Filing: 19/10/2017	Filed
3	Combustion control mechanism of a bio-mass stove CBR no.: 3923, Date of Filing: 12/02/2018	Filed
4	Portable hazard free heat generating device CBR no.: 10335, Docket no.: 28808, Date of Filing: 16/04/2018	Filed
5	Two Stage Industrial Areca Leaf Shredder CBR no.:26884, Date of Filing: 20/08/2019	Filed
6	Automatic Pneumatic Jack for LMV, CBR no.: 23057, Date of Filing: 18/07/2019	Filed
7	Solar Water Heater with Twisted Elliptical Sectioned Absorber Tubes, CBR no.: 39202, Date of Filing: 20/11/2020	Filed

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
FEA analysis of ISO-Static-Press	-	Yet to be Initiated	6 months	Bosch (Rely Solutions Pvt. Ltd.)
Suttur – Chariot Design Review	-	17th Aug'19	8 months	Suttur Mutt
CFD Analysis of Chimney	Pilot project	12th March'19	3 months	Wonder Blues, Bangalore
FEA analysis of ISO-Static-Press	6,900.00	16th July'2019	3 months	Bosch (Rely Solutions Pvt. Ltd.)

7. Awards Received

Sl.no.	Award Title	Award issuing authority/ Body / Organization
1	Philips certified “ DFSS –Green Belt “ Engineer	Philips, Singapore
2	Awarded University 2nd rank in Master of Technology	V. T. U. Belgaum, India.
3	Best Project of the year award by FPSI , for the research entitled Design and development of tethered high pressure air propelled drone for mist application of agriculture enhancers”	Indian Institute of Science, Bangalore
4	Won 3rd prize for " Cynosure White paper competition "	Cyient Limited, Hyderabad
5	“Pat on the Back” by Scandent solutions for the best performance for the financial year 2005.	Scandent solution pvt Ltd., Bangalore

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

Sl. No.	Name of the Committee	Position	From	To	Name of the University/Organization/Board
1	BOS	Member	June 2018	Till date	JSS Science and Technology, SJCE Mysore

9. Publications

i. International Journals (Web of Science and SCOPUS Only)

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No.	WOS / Scopus /	Impact Factor	Publisher
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				Year	Both		
1	Analysis of tube-in-tube copper helical heat exchanger to improve heat transfer	S. Gowreesh, Sreenivasalu Reddy, Kanchi raya S	Materials today	Vol 111, Jan2021	WOS and Scopus. Ranking Q1	0.91	Elsvier-Science Direct
2	Experimental Investigation of Boiler Pressure Behavior in Closed-Open-Closed System	S.Gowreesh, J.Estrada, C.K.Ong,T.K .Xiao	Journal of Energy Resource Technology	Vol.133, 024501-1 June 2011.	WOS and Scopus. Ranking: Q1	0.75	ASME
3	Effectiveness of heat transfer intensifiers in a fluid channel, Issue-3 February 2019.	S.Gowreesh, SrikantaMurt hy, Veeresh B R	International Journal of Mechanical Engineering and Technology”,	ISSN: 0976-6340, Volume-8,	WOS and Scopus. Ranking: Q3	0.29	IAEME Publications
4	An Experimental Investigation On Pre-Processing Of Areca Leaf For Shredding Using A Domestic Mixer	S.Gowreesh, SrikantaMurt hy, Veeresh B R, AnandKumar Annigeri	International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies	Volume No. 11, Issue No.8, Year 2020, ,	WOS		http://TuEngr.com DOI: 10.14456/ITJEM AST.2020.143.
5	A Review On Biomass Gasification For Fuel Cells	S.Gowreesh, Sucharita Mohanty	International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies,	Volume No. 11, Issue No.9, Year 2020	WOS		http://TuEngr.com , DOI: 10.14456/ITJEM AST.2020.171.
6	Design and development of an automatic solar powered digging seed soaking and dripping machine	Singh A K, Pillai, Kundu, Mohan, Gowreesh	International Journal of Engineering and Advanced Technology	ISSN: 2249-8958, Volume-8, Issue-3 February 2019.	Scopus	-	IJEAT
7	Design and development of unmanned chemical spraying rover for agricultural applications	Karthik M, Singh, Sinha, Anand, Gowreesh	International Journal of Engineering and Advanced Technology	ISSN: 2249-8958, Volume-9, Issue-9, September 2018.	Scopus	-	IJEAT

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

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	Experimental Investigation of Fluid Flow in a Combustor"	S.Gowreesh, V.K Pravin, K Rajagopal	Conference Proceedings 4th International Meeting on Advances in Thermo-Fluids (IMAT)	3rd and 4th October'2011, Melaka, Malaysia.	WOS and Scopus Ranking: Q2		American Institute of Physics (AIP)
2	Thermal stress investigation of a gas turbine blade	Gowreesh, V.K Pravin, K Rajagopal, Veena Ph	Conference Proceedings 4th International Meeting on Advances in Thermo-Fluids (IMAT)	3rd and 4th October'2011, Melaka, Malaysia.	WOS and Scopus Ranking: Q2		American Institute of Physics (AIP)
3	Analysis of tube-in-tube copper helical heat exchanger to improve heat transfer	N. Sreenivasalu Reddy, S. Gowreesh Subramanya, K C Vishwanath, S Kanchiraya, V Satheesha	Materials Today: Proceedings	Accepted and Under	WOS and Scopus		Elsevier

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	Analysis of Engineering Systems using FEM	BITS Pilani, Hyderabad Campus	14th to 16th July 2016
2	Advances in Finite Element Methods and Applications	Department of Mechanical Engineering, BMS College of Engineering, Bangalore	17th to 28th July 2017
3	Advanced Manufacturing	Department of Mechanical Engineering, BMS College of Engineering, Bangalore	16th to 27th July 2018

v. Workshops / Conference (Organised)

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

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

Sl. No.	Name of the workshop / Conference	Organiser	Date

10. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organised by	Date of completion / Award	Grade / Marks
1	Intelligent Machining	COURSERA	12th May'2020	96%
2	Digital Manufacturing and Design	COURSERA	15th June'2020	94%

11. Membership of Professional Bodies:

1. ASME - Life time Membership
2. Fluid Power Society of India

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

Areas of Expertise:

- Experimental and numerical fluid dynamics
- Thermal management
- Computational fluid dynamics/FEA
- Innovation and new product development, Process control and optimization
- Develop prototypes and functional models, Analytical modelling
- Trouble shooting technical problems
- Concept development, Competitors analysis
- Project Management

Name and Designation of the Faculty Member:

Dr. Gowreesh Subramanya S

Associate Professor