

Dr. SURESH MASHYAL

Flat. No. 14

Aditi Apartment

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**OVERALL EXPERIENCE**

Total Experience: 26+ years

Teaching Experience: 25 years

Industry Experience : 1 year 7 months

EDUCATION

Qualification	Name of University	Percentage	Year of Passing	Class Secured
Ph.D Renewable Energy (Wind Energy)	Visveswaraya Technological University, Belagavi, Karnataka	--	2017	Awarded
M. Tech. Energy Systems Engineering	Visveswaraya Technological University, Belagavi, Karnataka	82%	2007	First with Dist.
B.E. Mechanical Engineering	Karnataka University, Dharwar, Karnataka	81%	1999	First with Dist.

PROFESSIONAL HISTORY

Company/College	Designation	Duration	No. of Years
Maratha Mandal's Engineering College, Belgaum	Professor & HOD	01/04/2026 to Till date	04 Months
Maratha Mandal's Engineering College, Belgaum	Professor	04/03/2025 to 31/03/2026	1 year
Maratha Mandal's Engineering College, Belgaum	Professor/Principal	21/12/2023 to 03/03/2025	1 year, 3 moths
Maratha Mandal's Engineering College, Belgaum	Professor and Vice Principal (Academic Dean)	01/02/2018 to 20/12/2023	5 years 10 Months
Maratha Mandal's Engineering College, Belgaum	Associate Prof.	01/02/2014 to 31/01/2018	4 years
Maratha Mandal's Engineering College, Belgaum	Asst. Prof.	01/10/2011 to 31/01/2014	2 years 4 months
Maratha Mandal's Engineering College, Belgaum	Sr. Lecturer	01/11/2007 to 30/09/2011	3 years 11 months
Maratha Mandal's Engineering College, Belgaum	Lecturer	02/05/2001 to 30/10/2007	6 years 6 months
Carline press pvt. Ltd, Pune	Quality Engineering	1/09/1999 to 15/04/2001	1 Year 7 months

Number of Ph.D. Candidate guided - 01

Number of Ph.D candidates guiding – 01

Research fund: Responsible for fetching **Rs. 20 Lakh** research fund from VGST, Government of Karnataka for carrying research work on “Hybrid Wind Diesel Power System”

Role : Programme Investigator (PI)

Project Status : Completed Successfully

Responsibilities/Contribution at Departmental and College Level:

1. Assigned as a VTU nominee to **RNS institute of Technology, Bangalore** for a period of 3 years from 2024 to 2027.
2. B.O.E member of V.T.U Belagavi for Mechanical Engineering for the academic year 2020-21
3. Worked as a HOD, Academic dean and Vice Principal
4. Responsible for fetching Rs. 20 Lakhs from VGST, Govt. of Karnataka
5. Guided a Project title “Rebar Bending Machine” Won best project of the year award in 2013 in state level project exhibition organized by KSCST
6. Convener of National level Tech Fest “OJAS” in the year 2013, 2014
7. KSCST Co-Ordinator.
8. Internal Assessment Coordinator.
9. Coordinator head of LIC, VTU and AICTE reports at college level
10. Students Project Coordinator
11. In-Charge Heat Transfer Lab
12. In-Charge of CAD/CAM lab.

Subject taught

- Basic Thermodynamics.
- Heat and Mass Transfer.
- Applied Thermodynamics.
- Power Plant Engineering.
- Turbo Machine
- Control Engineering.

- Metrology and Measurements
- Kinetics of Machine.
- Computer Aided Engineering Drawing
- CAD/CAM.
- Machine Design.
- Energy engineering.
- Mechanical Vibration
- Element of Mechanical Engineering

Research Paper Published

National Conferences

1. A paper titled **“Hybrid wind diesel system software module”** is presented in National Conference on Recent Development in Mechanical Engineering organized by Department of Mechanical Engineering, at SVERI’s Pandharpur, 23rd December 2007.
2. Presented paper in national conference held at, Vasavi College of Engg.,Hydrabad, Andra Pradesh on 19th Nov 2010
3. Presented paper in national conference held at VNRVJIT, Hyderabad, Andra Pradesh on 20th Dec 2010.

International Conferences

4. Presented a research paper titled “A Comprehensive Review of Various Heat Transfer Enhancement Techniques used to improve Thermo-hydraulic Performance of Rectangular Duct” in the 2nd International Conference on Recent Innovations in Science, Engineering and Technology (ICRISET-19) held on 18th and 19th July, 2019 at Hirasugar Institute of Technology, Nidasoshi, Belagavi, Karnataka
5. Presented a research paper titled “Experimental Investigation of Effect of Different Configurations of Semi Circular or Half Round Ribs on Heat Transfer Enhancement in a Rectangular Duct” in IEEE International Conference on

Engineering Informatics (ICEI) 2023 organized in collaboration with Swinburne University of Technology under Victorian Section, Australia held on 25th & 26th November 2023 at Sanjay Ghodawat University

6. Won Best Research Paper Award in IEEE International Conference on Engineering Informatics (ICEI) 2023 organized in collaboration with Swinburne University of Technology under Victorian Section, Australia held on 25th & 26th November 2023 at Sanjay Ghodawat University.
7. Suresh Mashyal, Dr. T.R.Anil, Presented a paper titled “Experimental Analysis of Hybrid Wind Diesel Energy System Software Module”, in an International conference on processing of materials, Minerals and energy organized by PACE institute of technology & sciences, Ongole, Prakasham District, Andhra Pradesh, India, during 29th to 30th , July 2016.
8. Suresh Mashyal, Dr. T.R.Anil, Presented a paper titled “**Numerical Analysis and design of Hybrid Wind Diesel Power system Software Module**”, at 4th International conference on advances in energy research (ICAER 2013) held at Institute of Technology(IIT) Bombay, India from 10 to 12 December 2013
9. Presented a paper titled “**Extraction of energy from waste engine oil**”, at 4th International conference on advances in energy research (ICAER 2013) held at Institute of Technology(IIT) Bombay, India from 10 to 12 December 2013
10. Suresh Mashyal, Dr. T.R.Anil, R. Revankar, Presented a paper titled “**Design and simulation of Hybrid Wind Diesel Sytem Software**”, in an International conference on IC-ICAME 2008, 2-4 July 2008 at Indian Institute of Science (IISc) Bangalore, India

International Journals

11. Dr.Suresh Mashyal & Swapnil, (2025) "Thermal Investigation of Heat Transfer Enhancement in a Rectangular Duct Provided with Different Configurations of Semi-Circular Ribs" International Journal of Automative and Mechanical Engineering ISSN: 2229-8649 e-ISSN: 2180-1606 VOL. 22, ISSUE 1, 2025, 11954 – 11964 DOI: <https://doi.org/10.15282/ijame.22.1.2025.2.0919>
12. Thikane, S., & Mashyal, S. (2024). "Experimental investigation of effect of different configurations of semi-circular or half-round ribs on heat transfer enhancement in a rectangular duct", Mechanics Based Design of Structures and Machines pp 1-17.
Doi : <https://doi.org/10.1080/15397734.2024.2358193> (Taylor & Francis Group- Scopus Indexed, Q1 journal)
13. Thikane, S., & Mashyal, S. (2023). "Experimental Investigation of Effect of Different Configurations of Semi Circular or Half Round Ribs on Heat Transfer Enhancement in a Rectangular Duct", IEEE Engineering Informatics, Melbourne, Australia, 2023, pp. 1-6. doi: 10.1109/IEEECONF58110.2023.10520635. (Scopus Indexed)
14. Swapnil Thikane, Dr. Suresh Mashyal. (2019). "A Comprehensive Review of Various Heat Transfer Enhancement Techniques used to improve Thermo-hydraulic Performance of Rectangular Duct", Journal of Composition Theory (ISSN : 0731 6755), Volume- XII Issue-VI, pp.: 227-232. doi: 16.10089.JCT.2019.V12I5.19.25151 (UGC Approved Journal)
15. Swapnil Thikane & Dr. Suresh Mashyal. (2022). "A Comprehensive Review and Comparative Study of Various Rib Configurations Used in Rectangular Duct for Heat Transfer Enhancement", International Journal of Innovative Research in Technology (ISSN: 2349-6002), Volume-09, Issue-05, October 2022, pp. 238-245 (UGC Approved Journal)
16. Swapnil Thikane & Dr. Suresh Mashyal. (2023) "A Comprehensive Review and Comparative Study of Various Rib Configurations Used in Rectangular Duct for

Heat Transfer Enhancement”, International Journal of Management, Technology And Engineering (ISSN: 2249-7455), Volume- XIII, Issue- XI, pp. 1-8. doi: 16.10089.IJMTE.2023.V13I11.23.522300 (UGC Approved Journal)

17. Prof.Suresh Mashyal, Upkar Mane, “**Analysis of energy absorption tubes (Crush Can)**”, *International Research Journal of Engineering and Technology (IRJET)*, Vol 4, Issue 9, Sept. 2017.

18. Suresh Mashyal, Dr. T.R.Anil, " **Design and analysis of highway windmill electric generation** ", *American Journal of Engineering Research*, Vol. 3, Issue 07, 2014, pp.28-32.

19. Suresh Mashyal, Dr. T.R.Anil, “**Numerical Analysis and Design of Software Module for Hybrid Wind Diesel Power System**”, *International Journal of Innovative Research in Engineering & Science*, Vol 7, Issue 3, 2014, pp 1-7

20. Suresh Mashyal, Dr. T.R.Anil, Paper presented titled “**Experimental Analysis of Hybrid Wind Diesel Energy System Software Module**”, in an International conference on processing of materials, Minerals and energy organized by PACE institute of technology & sciences, Ongole, Prakasham District, Andhra Pradesh, India, is accepted and to be published in *International Journal of Elsevier materialstoday: proceedings ISSN 2214-7853* in the month of Jan 2017.

Papers communicated to International Journals and under review:

21. Suresh Mashyal, Dr. T.R.Anil, “**Numerical analysis and design of hybrid wind diesel power system software on minute basis**” *International Journal of Renewable Energy ISSN 0960-1481*

22. Suresh Mashyal, Dr. T.R.Anil, “**Analysis and Simulation of Windmill– Diesel Hybrid Power System Software Module on Minute Basis**” *Alexandria Engineering Journal ISSN 1110-0168*

Training Program Attended

- Participated in the “High Impact Teaching Skill” Training program conducted by Mission10x, Wipro.
- Undergone 2 months Industrial training at OTPL, Belgaum.
- Undergone 7 days short term course on CNC machine at MTAB, Chennai.
- Attended 5 days short term course on Hydraulic and Pneumatic software kit at VTU, Belgaum.

Other Skills:

- Fluency in the Analysis Package ANSYS 5.4
- Fluency in the CIM packages like CADEM, EdgeCAM
- Knowledge in the solid package like Solid Edge, CATIA V5.

Personal Details

Father name	: Satish. G Mashyal
Mother name	: Shoba. S Mashyal
Nationality	: Indian
Date of birth	: 01/01/1978
Mother tongue	: Kannada
Religion	: Hindu lingayat
Marital status	: Married
Languages known	: English, Hindi, Kannada and Marathi

Declaration: I hereby declare that the above-furnished information is true to the best of my knowledge and belief.

	Sd/-
	Signature
Date:	(Dr. Suresh Mashyal)