

PROFILE

1. NAME AND DESIGNATION : **Dr. Deepa M S**
Professor and Head
Department of Aeronautical Engineering
S.J.C. Institute of Technology,
P.B. 20, B B Road,
Chickballapur-562101, Karnataka
Email: deepa.reddy626@gmail.com

2. DATE OF BIRTH : 28-04-1978

RESIDENTIAL ADDRESS : House No. 29, R R Nilaya,
Ganesh Nagar Layout,
Virupakshapura, Kodigehalli
Bangalore - 560097

1. EMPLOYMENT RECORD (Starting from present position) :

Total Experience: 21 Years

UNIVERSITY/COLLEGE	DESIGNATION	DURATION	PERIOD
SJCIT	PROFESSOR	-	From 1 st March 2022
SJCIT	ASSOCIATE PROFESSOR	06 Years 8 Months	29 th of July 2015 to 28 th February 2022
M V J College of Engineering	ASSOCIATE PROFESSOR	2 Years 5 Months	1 st February 2013 to 27 th July 2015
M V J College of Engineering	ASSISTANT PROFESSOR	3 Years 6 Months	19 th of August 2009 to 1 st of February 2013
Karnataka Power Corporation Limited, (KPCL) a State Government Company	ASSISTANT PROFESSOR	2 Years 5 Months	August 2004 to December 2007
Jnana Vikas Institute of Technology	LECTURER	2 Years 6 Months	November 2001 to April 2004

EDUCATIONAL QUALIFICATION:

Degree	Year	Specialization	University
Ph.D	2022	Propulsion and CFD	Acharya Institute of Technology, VTU
M.Tech	2009	Aeronautical Engineering	M. V. Jayaraman College of Engineering, V T U
B.E	1999	Mechanical Engineering	S. J. C. Institute of Technology, Bangalore University

MEMBERSHIP OF TECHNICAL/PROFESSIONAL BODIES:

- ✓ Member of 'The Aeronautical Society of India'
- ✓ Member of 'Institute of Engineers'
- ✓ Member of 'Indian Society for Technical Education'

TRAINING PROGRAMMES/ SEMINARS/ CONFERENCES ATTENDED:

- Attended workshop on Research Methodology, organized by Department of Electronics and Communication, MVJCE, Bangalore
- Attended Faculty Development Program on Outcome Based Education and Accreditation at MSRIT, Bangalore
- Attended Faculty Orientation Program at Quest Global, Bangalore
- Attended Faculty Development Programmed on Bloom's Taxonomy at MVJCE, Bangalore

PUBLICATIONS

International Journals:

1. **"Multi-Disciplinary Design Optimization of an Aircraft Wing Box using iSIGHT"** Total Engineering, Analysis & Manufacturing Technologies - 2009 International Conference organized by TeamTech 2009
2. **"Multi-Disciplinary Optimization of an Aircraft Wing Box"** National Conference on Mechanical Engineering – 2009 organized by M. S. Ramaiah Institute of Technology, Bangalore
3. **"Multi-Disciplinary Optimization of an Aircraft Wing Box"** Journal of Engineering, Science, Technology and Management (JEST-M) -2012
4. **"Air Loads Criticality"** Journal of Aerospace Engineering and Technology -2012, Aeronautical Society of India, Bangalore
5. **"Flight Envelope expansion during prototype development"** Journal of Aerospace Sciences and Technologies – 2013

6. ***“Numerical Simulation of Turbulent Past Stationary NACA 0012 Aerofoil Using Fluent”*** International Journal of Engineering Research and Technology – 2013
7. ***“Numerical Simulation of Turbulent Flow past Pitching Aerofoil using Fluent”*** International Conference on Convergence of Science, Engineering & Management in Education and Research – A Global Perspective organized by Centres for Post Graduate Studies, Dayananda Sagar Institutions, Bangalore
8. ***“Numerical Simulation of Turbulent flow past pitching NACA 0012 Aerofoil ”***International Conference on Aeronautical, Mechanical and Civil Engg, Rajas Engineering College, on 20th March 2015
9. ***“CFD Analysis of ‘Gas Turbine Engine Exhaust Duct using ANSYS FLUENT’***, National Conference on “Trends and Innovations in Automation, Materials and Thermal Engineering (TIAMTE - 2015)” on 21st and 22nd May 2015
10. ***“Preliminary Design and numerical Simulation of a Reverse Flow Annular Combustor at Basic Design Point Operating Conditions”*** International Conference on Trends in Industrial & Value Engg, Business and Social Innovation 2018
11. ***“Numerical Simulation of Rocket Launch Vehicle”*** International Conference on Emerging Trends in Science & Technologies for Engineering Systems (Available in SSRN e Library of Elsevier) SJCIT, Chickballapur 2019
12. ***“Preliminary Design of a Reverse flow annular Combustor & Experimental investigation at design & off design opening conditions”*** International Journal of Recent Technology and Engineering (IJRTE), ISSN 2277-3878, Vol 8, Issue 1C, May 2019
13. ***“Numerical Simulation of Rocket launch Vehicle”*** SSRN e library, 2019
14. ***“Effect of stall on Blended Wing Body Aircraft”*** ISSN: 2278-627X (For online version) IJLTET Journal, Volume 17,2020

AREAS OF INTEREST:

- Aircraft Propulsion and Computational Fluid Dynamics

MAJOR ACHIEVEMENTS:

- ✓ University Second Rank Holder in M.Tech-Aeronautical Engineering
- ✓ College Awards for securing 100% pass Percentage in subjects taught like Applied Gas Dynamics, Aircraft Propulsion and Computer Aided Machine Drawing,
- ✓ Received Best Paper Award for the paper titled “Preliminary Design of a Reverse Flow Annular Combustor and Experimental Investigations at Design and Off Design Operating Conditions” in Second International Conference on Emerging Trends in Science and Technologies for Engineering Systems held on 17th and 18th May 2019

ADDITIONAL RESPONSIBILITIES TO THE DEPARTMENT /COLLEGE:

- Innovation Ambassador – MHRD’s Entrepreneurship Development Program
- NBA and NAAC Coordinator
- Time Table Coordinator
- R & D Activity
- VTU coordinator
- Workshops & Seminars Conduction

Date: 20-03-2022

Place: Chickballapur

(Dr. DEEPA M S)