

Faculty Profile



Brief Profile

Dr. R Supreeth is the Associate Professor and Head of the Department of Aerospace Engineering at RV College of Engineering, Bengaluru. With over 13 years of combined teaching and research experience, Dr. Supreeth is recognized for his technical acumen and innovative approach in the domains of Low Speed Aerodynamics and Wind Turbine Design. Besides, his research interests span experimental and computational studies in aerodynamic characterization, particularly for wind turbine blades and airfoils. Additionally, Dr. Supreeth is actively involved in advancing the department's academic standards, research output, and industry collaborations, fostering a dynamic learning environment for students and colleagues alike.

Personal Information

- **Name:** Dr. R Supreeth
- **Designation:** Associate Professor & Head
- **Department:** Aerospace Engineering
- **Email:** supreethr@rvce.edu.in
- **Phone:** 080-68188240

Google Scholar: <https://scholar.google.com/citations?user=3T5mqloAAAAJ&hl=en>

ResearchGate: https://www.researchgate.net/profile/Supreeth-Raju?ev=hdr_xprf

LinkedIn: <https://www.linkedin.com/in/supreeth-reddy-48448b53/>

ORCID: 0000-0003-2352-3181

Domain of Expertise

Research Focus

- **Primary Area:** Low Speed Aerodynamics, Wind Turbine Aerodynamics, Renewable Energy
- **Allied Areas:**
 - Experimental Aerodynamics, Wind Energy

Academic Qualifications

- **Ph.D.:** Aerodynamics, Visveswarayya Technological University, 2022
- **M.Tech:** Aeronautical Engineering, Visveswarayya Technological University, 2011

- **B.E.:** Mechanical Engineering, Visveswarayya Technological University, 2009

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV College of Engineering	Associate Professor & Head	15 th January 2025 to present
2.	RV College of Engineering	Associate Professor	05 th May 2023 to 14 th Jan 2025
3	RV College of Engineering	Assistant Professor	03 rd February 2016 to 04 th May 2023
4	Dayananda Sagar College of Engineering	Assistant Professor	16 th July 2012 to 25 th January 2016

Publications & Patents

Journal Publications

1. Supreeth, R., Arokiaswamy, A., Anirudh, K., Pradyumna, R. K., Pramod, P. K., & Sanarahamat, A. K. (2020). Experimental and Numerical Investigation of the Influence of Leading Edge Tubercles on S823 Airfoil Behavior, Journal of Applied Fluid Mechanics, 13(6), 1885-1899. doi: 10.47176/jafm.13.06.31244
2. R. Supreeth, A Arokiaswamy, J Nagarjun Raikar, H P Prajwal, Experimental Investigation of Performance of a Small Scale Horizontal Axis Wind Turbine Rotor Blade, International Journal of Renewable Energy Research, Vol.9, No.4, December, 2019, <https://doi.org/10.20508/ijrer.v9i4.9898.g7804>
3. R Supreeth, SK Maharana, K Bhaskar, "Whale inspired tubercles for passively enhancing the performance of a Wind Turbine Blade", International Journal of Renewable Energy Research (IJRER) 13 (1), 489-503

Conference Papers

1. R Supreeth, A Arokiaswamy, KM Hegde, P Srinath, HP Prajwal, M Sudhanva, Analytical evaluation of performance of a small scale horizontal axis wind turbine rotor blade, AIP Conference Proceedings 2316, 020001 (2021), <https://doi.org/10.1063/5.0036766>
2. R Supreeth, SK Maharana, K Bhaskar, Numerical performance studies of a small scale horizontal axis wind turbine blade with humpback whale tubercles, Aerospace and Associated Technology, 458-462, 2022, eBook-ISBN9781003324539

3. R Supreeth, A Arokkiaswamy, A Keshavan, PR Koushik, PP Kashyap, AK Sanarahamat, Numerical investigation of the role of tubercles in augmenting the aerodynamic characteristics of S823 airfoil, AIP Conference Proceedings 2316, 020007 (2021), <https://doi.org/10.1063/5.0036767>

Professional Memberships

- ISTE- LM-O-03341

Student Supervision

- **Undergraduate Research Mentees:** 4

Professional Roles

- **Chair/Committee Member:** CSITSS 2024

Teaching

Core Courses: [Current semester]

- AS343AI AEROSPACE PROPULSION

Advanced/Lab Courses:

- AEROSPACE PROPULSION

Professional Roles

Responsibilities

- **Academic:** Head of the Department
- **Administrative:** [Committee Memberships, Lab In-charge, etc.]

External Connect

- Board of Studies Member- Dept of Aeronautical Engg, Dayananda Sagar College of Engineering
- Board of Studies Member- Dept of Aeronautical Engg, Nitte Meenakshi Institute of Technology
- Board of Examination Member- Dept of Aeronautical Engg, MVJ college of Engineering
- Board of Examination Member- Dept of Aerospace Engg, BMS College of Engineering