Faculty Profile

Brief Profile (Few Paragraphs)

An educator and researcher with 17+ years of experience in teaching, curriculum development, and Research with Expertise in aerodynamics, propulsion systems, and computational fluid dynamics. Passionate about fostering academic growth and innovation in Aerospace engineering.

Personal Information

- **Name:** S Srinivasan
- **Designation:** Assistant Professor
- **Department:** Aerospace Engineering
- **Email:** ssrinivasan@rvce.edu.in
- **Phone:** 080-68188241/+91 9901998773

Google Scholar / ResearchGate / LinkedIn: [Link if applicable]/ **ORCID:** https://orcid.org/0000-0001-6019-9611

Domain of Expertise

Aerospace Propulsion/Flight Mechanics/Space Dynamics/Aerodynamics

Research Focus

- **Primary Area:** Aerodynamics [Low speed/High speed- Internal and External fluid Flow Dynamics]/Jet Propulsion Studies- Thermofluid Multiphase flow Studies/Aircraft Design.
- **Allied Areas:**
    - Turbo machinery – Design and analysis
    - Flight Stability and Control
    - Rocket Propulsion and Launch vehicle design
    - Satellite Dynamics and control

Academic Qualifications

- **Ph.D.**: Aerospace Engineering, Visveswaraya Technological University, Pursuing.
- **M.Sc./M.Tech**: [Aeronautical Engineering], Visveswaraya Technological University, 2007
- **B.E./B.Tech**: Mechanical Engineering, Visveswaraya Technological University, 2005

Professional Experience

Experience			
S.No	**Institute/College/Industry**	**Job Title**	**Duration (From- To)**
1.	R V College of Engineering	Assistant Professor	2017-till date
2.	Dayananda Sagar College of Engineering	Assistant Professor	2012-2017
3.	MVJ College of Engineering	Assistant Professor	2007-2012

Publications & Patents

Journal Publications

1. Srinivasan, S**.**, Meleet, M., Gupta, A.,Sajit, A., Sahoo, R.K, A Novel Machine-Learning Approach for Detection and Avoidance of Space Debris Collisions,Proceedings of the International Astronautical Congress Iac3, pp. 1492-1504,2024
2. S, Srinivasan and K, Bhaskar and R, Supreeth, Experimental Aerodynamic Investigation of an UAV Wing with Wing Mounted Propellers (May 17, 2019). Proceedings of the Second International Conference on Emerging Trends in Science & Technologies For Engineering Systems (ICETSE-2019).
3. Srinivasan, S. and M., Shreesha and Ahmed, Tanveer and Sanjana, G. K., Numerical and Experimental Investigation of Co-Flow Jet Technique in Clarky-M18 Aerofoil (May 17, 2019). Proceedings of the Second International Conference on Emerging Trends in Science & Technologies For Engineering Systems (ICETSE-2019).
4. S Srinivasan, J J Isaac, C.Rajashekar, A.Arokkiaswamy, Drag Reduction of V Shaped Ring Gutter of an Afterburner by Tandem Bluff Bodies Using Cfd, IOSR Journal of Mechanical and Civil Engineering (IOSRJMCE), ISSN: 2278-1684 Volume 1, Issue 6 (July-Aug 2012), PP 41-50

Conference Papers

1. S. Srinivasan, Deepa, G. K. Sanjana; Investigation of aerodynamic characteristics of a typical T-tail box wing aircraft. *AIP Conf. Proc.* 16 February 2021; 2316 (1): 020006.
2. Srinivasan, S., Madhu, S., Devika, R., ...Mandal, S., Kedia, R, Investigation on the consequences of employing dual throat micronozzle in microsatellite propulsion, Proceedings of the International Astronautical Congress Iac 2019.
3. S, Srinivasan and Sanjana, G.K. Abhishek Padagannavar, Madhusoodan, An Overview of Box Wing Aircraft Aerodynamics and Performance (January 23, 2020). Proceedings of the Second International Conference on Emerging Trends in Science & Technologies for Engineering Systems (ICETSE-2019)

Books/Book Chapters

Patents [Filed / Published / Granted]

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

- **[Project Title]** – Funding Agency: [Name], Duration: [Year-Year], Role: [PI/Co-PI].
- **[Project Title]** – Funding Agency: [Name], Duration: [Year-Year], Role: [PI/Co-PI].

Ongoing & Completed Consultancy Projects

- Subsonic Wind tunnel Experimental Aerodynamic Testing- M/s – Hydromech Engineers- Rs 75,000/-

Professional Memberships

- Associate member-Aeronautical Society of India (AeSI), Bengaluru
- Member- Society of Automotive Engineers (SAE), INDIA
- Life Member, Indian Society for Technical Education, (ISTE)

Awards & Recognitions

- Gold medalist in M.Tech, Visweswaya Technological University
- Best Teacher Award, MVJ College of Engineering,2011

Student Supervision

- **Ph.D. Candidates:** NIL

- **M.Tech/M.Sc. Students:** 15+
- **Undergraduate Research Mentees:** 50+

Professional Roles

- **Editorial Board:** [Journal Name]
- **Chair/Committee Member:** [Conference Name, e.g., *IEEE International Conference on Robotics*]
- **Industry Advisor:** [Company/Startup Name]

Teaching

Core Courses: [Current semester]

- AS362IA Gas Dynamics
- AS365TDD Space Vehicle Design

Advanced/Lab Courses:

- Gas Dynamics Lab [Supersonic Wind Tunnel Testing]

Professional Roles

Responsibilities

- **Academic:** BoS/BoE Member, Time Table coordinator
- **Administrative:** Aerodynamics Lab in charge, Department Budget committee, Department NBA Coordinator

External Connect

- Academic Expert panel member for ISRO-Department promotion committee/Review meetings.