Dr. VISHNU KUMAR G.C., Ph.D.

Aeronautical Engg: - AeroDynamics.

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PROFESSIONAL EXPERIENCE

PROFESSION	INSTITUTION/INDUSTRY	ROLE	PERIOD	COURSES/WORK
RESEARCH **(3 years)**	Hindustan Institute of Technology & Research , Chennai	Fulltime Research	2014-2017	CFD & Aerodynamics
ACADEMICS **(3 years)**	Nehru Institute of Technology, Coimbatore	Assistant Professor	2017-2018	CFD & Aerodynamics
	Bannari Amman Institute of Technology, Sathyamangalam	Assistant Professor	2013 - 2014	CFD, Flight Dynamics and Aerodynamics
INDUSTRY **(3 years)**	InfoTech Enterprises (CYIENT), Hyderabad MATHA ENTERPRISES, HOSUR	Design Engineer Assistant Trainee	2011-2013 2008-2009	Pratt & Whitney Aero Engine Stress Analysis

RECENT PUBLICATIONS:

1. Vishnu Kumar, G.C. & Shah, D.A. (2017). Aerodynamics of flapping wings for vertical takeoff. **Journal of Applied Fluid Mechanics**. 10. 1689-1697.
2. Vishnu Kumar, G.C. and Shah, D.A. (2016). Simulations of flapping pair to study effective aerodynamic forces. **Advances and Applications in Fluid Mechanics**, 20(1), pp.75- 92.
3. Vishnu Kumar, G.C. (2011). Design and analysis of flapping wing. **Applied Mechanics and Materials**, 110, pp.3495-3499.

CONFERENCES

1. Vishnu Kumar, G.C. & Shah, D.A. (2017). Collective flow enhancement of flapping pair of wings, National conference on wind tunnel testing - MIT, Chennai.
2. Vishnu Kumar, G.C. (2016) Alternative affordable launch vehicle – LAMSYS (ISRO).
3. Vishnu Kumar, G.C. & Shah, D.A. (2015). Computational analysis on the effectiveness of flapping wing. International Association for the Engineering Modelling, Analysis and Simulation Community, Chennai.

Sponsored Projects

TITLE	FUNDING AGENCY	ROLE	STATUS	AMOUNT
Saver of Soul	**Tamilnadu state council for Science and Technology** (TNSCST/SPS/AR/EME-046)	Principal Investigator	Completed	Rs. 6400/-