

Vimal G Sampath

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ACADEMIC QUALIFICATIONS

Ph.D. Student, March 2012- present

Department of Mechanical and Nuclear Engineering, Virginia Commonwealth University (VCU).

Master of Technology, Aerospace Engineering, 2010-2011,

Department of Aerospace Engineering,

Indian Institute of Technology, Kharagpur, India

Topic: "Autonomous Attitude Control of a Fixed Wing aircraft" Advisor: Prof. Manoranjan Sinha

Bachelor of Technology, Aerospace Engineering, 2006-2010,

Department Of Aerospace Engineering,

Indian Institute of Technology, Kharagpur, India

WORK/ RESEARCH EXPERIENCE

a. *Teaching Assistant, August 2012 to May 2014*

Fall 2012 –For the course titled "Numerical Methods", Department of Mechanical and Nuclear Engineering, Virginia Commonwealth University (VCU).

Spring 2013- For course titled "Dynamics and Kinematics", Department of Mechanical and Nuclear Engineering, Virginia Commonwealth University (VCU).

Fall 2013- For course titled "Mechatronics", Department of Mechanical and Nuclear Engineering, Virginia Commonwealth University (VCU).

Spring 2014- For course titled "Process and System Design", Department of Mechanical and Nuclear Engineering, Virginia Commonwealth University (VCU).

b. *Research Assistant, March 2012 to July 2012*

Department of Mechanical and Nuclear Engineering, Virginia Commonwealth University (VCU).

c. *Deputy Manager, August 2011-February 2012*

Product Design, Ashok Leyland Ltd., India.

d. *Summer Intern, May 2009-July 2009*

Carried out experiments on "Studies on directional characteristics of Jet noise." National Aerospace Laboratory, Bangalore, India

SCHOLASTIC ACHIEVEMENTS/AWARDS

- Received the “*Outstanding Graduate Teaching Assistant Award*” 2013-2014 at School of Engineering, Virginia Commonwealth University. The applicant pool comprises of all graduate students of all Engineering departments at School of Engineering.
- Won 1st position in Mahindra Satyam Sponsored “Aerospace Young Engineers” Competition 2010. (<http://www.iitkgp.org/news/49>)
- Secured All India Rank (AIR)- 41 in Graduate Aptitude Test for Engineers 2010, Aerospace Engineering. GATE is the Standardized Entrance exam to get admissions to Master’s Program of Engineering in Central government funded institutes –IIT’s and IISc.
- AIR-1973 in Joint Entrance Exam 2006, Organized by Indian Institute of Technology. IIT-JEE is the standardized test to gain admission into Undergraduate Programs of Engineering of Centrally Funded institutions in India.
- AIR-2 in Mathematics Olympiad 2002, organized by Kendriya Vidyalaya Sangathan.
- AIR- 25 at National Cyber Olympiad 2004 conducted by Science Olympiad Foundation.
- AIR-13 in All India mathematics Olympiad 2004 conducted by Association of Mathematics Teachers of India (AMTI).

CONFERENCE PAPERS

“Development and Testing of Atmega128 based Autopilot” in 24th National Convention of Aerospace Engineers and National Seminar on "New Vistas in Aviation and Aerospace" 13th -14th, November, 2010 at The Institution of Engineers (India), Jaipur.