

Dr. VIGNESWARAN CM

PERSONAL PROFILE:

A confident, enthusiastic and smart working lecturer who is able to teach students across the university age range, whilst at the same time encourages them to develop their skills, knowledge and confidence. I am presently looking for a stable position as an Assistant professor to share my knowledge and ideas.

Email:
cmvigneswaranaero@gmail.com

Contact. No:
(Mobile): 09880183579

PRESENT ADDRESS:
Dodde reddy manne,
Behind deepa complex,
Near to vishal mart,
Nagarbhavi
Bangalore.

PERMANENT ADDRESS:
13, Nehru street,
Alangudi,
Pudukkottai,
Tamilnadu.

PERSONAL DETAILS:

Name : Vigneswaran CM
Father's name : Chidambaram A
Marital status : Married
Date of birth : 30/7/1990
Gender : Male
Nationality : Indian
Religion : Hindu
Languages : English and Tamil

EXPERIENCE SUMMARY:

Graduate trainee : HAL (April 2013 – April 2014)
Physics teacher : The PUC Academy (April 2013 – April 2014)
Assistant professor : SJCIT (July 2016 to Nov 2021)
Assistant professor : Dr. AIT (Since Dec 2021)

ACADEMIC DETAILS:

Qualification : **Ph.D in Aeronautical Engineering**
University : Hindustan University (Chennai)
Area of research : External aerodynamics -Coflow jet airfoil
Year of passing : 2024

Qualification : **M.tech in Aerospace Engg**
University : Malla Reddy college of Engg& Tech
College : JNTU(Hyderabad)
Percentage : 78.6%
Year of passing : 2016

Qualification : **BE in Aeronautical Engineering**
University : PSN college of Engg& Tech
College : Anna university (Chennai)
Percentage : 7.33 (CGPA)
Year of passing : 2012

Qualification : **HSC**
Board : State board
School : Venkateswara matric hss
Percentage : 75%
Year of passing : 2008

RESEARCH INTEREST & SOFTWARE SKILLS

- ✓ *CFJ airfoil*
- ✓ *Fluid structure interaction*
- ✓ *Stability Augmentation*
- ✓ *Icem CFD , FLUENT*

CAREER HISTORY:

**ASSISTANT PROFESSOR,
SJCIT, CHICKBALLAPUR, BANGALORE
Dr. AIT, NAGARBHAVI, BANGALORE**

*(June 2016 – Nov 2021)
(Since Dec 2021)*

Responsible for planning effective lesson plan which have clear teaching aims, objectives and course outcomes. Worked closely with the Department head to set up the aeronautical lab, such as the wind tunnel and the aircraft structures lab, and to frame the curriculum and also a member of a number of departmental committees, such as the purchase committee, NBA criteria-3 coordinator, BOS and BOE, among others.

AREA OF INTEREST:

Flight dynamics	Aerodynamics	Space mechanics	Propulsion
A/C structures I & II	Vibration	Fluid mechanics	EOA
Optics	Vectors	Calculus	Trigonometry
Matrix	Complex number	Analytical geometry	

Note: The subject is in bold are which I handled for engineering (VTU) students.

INDUSTRIAL EXPERIENCE:

Organization name	:	HAL (Hindustan Aeronautical Ltd, Bangalore).
Designation	:	Graduate Trainee.
Area of Work	:	MRO (Maintenance, Repair and Overhaul) of ADVANCED LIGHT HELICOPTER.
Specialization	:	Quality Assurance.
Duration	:	From 17/4/2013 to 16/4/14.

NATURE OF WORK:

Working as a Graduate trainee in MRO (Final assembly) - Quality department and followings work are carried out by me.

EXPERTISE:

- ✓ Involved in pre-survey during induction of helicopter for servicing/overhaul.
- ✓ List out the life components and its residual life.
- ✓ Identify LRU'S which need to be updated/modified/up gradation and divert to relevant agencies.
- ✓ Prepare modification to be complied during servicing.

PAPER PUBLISHED (Journals and Proceedings):

1. Vigneswaran, C. M., & Kumar GC, V. (2021). Aerodynamic performance analysis of co-flow jet airfoil. *International Journal of Aviation, Aeronautics, and Aerospace*, 8(1), 10. *(Indexed in Scopus, Q3)*
2. Vigneswaran, C. M., & Kumar, G. V. (2023). Numerical investigation of the co-flow jet airfoil on aerodynamic performance. *Progress in Computational Fluid Dynamics*, 23(3), 163-169. *(Indexed in Scopus & SCI, Q3, Impact Factor - 1.2)*
3. Vigneswaran, C. M., & VishnuKumar, G. C. (2023). Computational analysis of influence of cfj components aerodynamic performance. *Physics of Fluids*, 35(9). *(Indexed in Scopus & SCI, Q1, Impact Factor - 4.5)*
4. Vigneswaran, C. M., & Kumar, G. V. (2022). Numerical analysis of co flow jet airfoil on enhancement of aerodynamic performance. *Materials Today: Proceedings*, 82, 103-107. *(Indexed in Scopus, conference proceeding)*
5. Vigneswaran, C. M., & VishnuKumar, G. C. (2023). Computational analysis of influence of geometry on cfj airfoil aerodynamic coefficients. In *Journal of Physics: Conference Series IOP Publishing*, 2484(1), 012042. *(Indexed in Scopus, conference proceeding)*

WORKSHOP ATTENDED:

1. Attended two day workshop on “Engineering pedagogy” organized by Dept of ECE, SJCIT, on Dec 15-16, 2016.
2. Attended five day FDP on “Method of computation in fluid flows – An industrial approach” organized by Dept of AE, SJCIT, on 28th Jan to 01st Feb 2016
3. Attended five day FDP on “Application of Machine Learning Algorithms in Aerospace Engineering” organized by Dept of ASE, RVCE, on 09th to 13th May 2022
4. Attended one day workshop on “Gas turbine technology” organized by Dept of ASE, BMSCE, on 19th Aug 2023.

DECLARATION:

I hereby declare that the above-mentioned information is correct to the best of my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Place:

Date:

(Vigneswaran CM)