

KINATTINGALAKATH ARUN JOSHI

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QUALIFICATIONS

- ▶ Master of Science in Aerospace Engineering from University of Pisa, ITALY, 2018
- ▶ Bachelor of technology in Aeronautical Engineering from Calicut University, India – 2014
- ▶ Professional in product design and analysis, CADD CENTRE, India – 2014.

ACHIEVEMENTS & PARTICIPATIONS

- ▶ Scored the second rank in Aeronautical Engineering during 2010-2014 academic years from Calicut University.
- ▶ Presented paper on “**Minimizing choking at throat area using hemispherical tabs**” at **International Conference** on Safety by Design.
- ▶ Presented paper on “**Ancient Indian Aeronautics**” at **National level Multifest**.
- ▶ Presented a Project on “**Aircraft Take-off Warning System**” at **National Aeronautics Fest AEROPLUS 2013**

PROFESSIONAL EXPERIENCES

- ▶ Organization: **Mount Zion College of Engineering, Kerala Technological University (KTU)**
Job Profile: **Assistant Professor, Aeronautical Engineering Department (March 2020 – Present)**
Location: Pathanamthitta, Kerala, India
Subjects: Aerodynamics, Rocketry and Space Mechanics, Mechanics of Material and CFD.
- ▶ Organization: **Air India Charters Limited**
Job Profile: **Graduate Engineering Trainee-QA&TS (April 2015-August 2015)**
Location: Trivandrum, Kerala, India
Tasks: I was involved in the departments of inspection, production planning, maintenance planning, reliability and maintenance control center Comprising Aircraft Fleets of Boeing 737-800NG aircraft fitted with CFM 56-7B Engines.
- ▶ Organization: **Indian Space Research Organization (ISRO)**
Job Profile: Bachelor’s degree project (**January 2014-February 2014**)
Location: Trivandrum, Kerala, India
Tasks: I was involved in the Aerospace Mechanisms group, Mechanisms & Vehicle Integration Testing (MVIT) division for performing project titled “Mathematical, 3D modelling and structural Analysis of cowl opening mechanism”.

AREAS OF INTERESTS

Aerodynamics
Flight Mechanics
Design and Analysis

Propulsion
Turbomachinery
Mechanics

Composite Materials
CFD

PROJECTS

- ▶ Study of Microsatellite propelling mechanisms.
- ▶ Mathematical, 3D modelling and structural Analysis of cowl opening mechanism.
- ▶ Feasibility Study of a GEO satellite's on orbit servicing mission.
- ▶ Structural Analysis of second stage fins of the VSB-30 sounding rocket.
- ▶ Experimental shear testing campaign and FEM analysis for characterization of Aerospace composite laminates.

SKILLS

General	:	Computer Fundamentals, MS Office 2007/10/13/16
Operating Systems	:	Windows XP/7/8/8.1
Design Software	:	CATIA V5, AutoCAD, NX Cad, SolidWorks, CREO (Basic), Patran (Basic)
Other Software	:	Matlab, Ansys, LaTeX, Python
Languages	:	English - Fluent, Malayalam- Fluent, Italian – Intermediate Hindi (Basic), Tamil (Basic)

CALICUT

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