

Company : Airbus Group India Private Limited

Company Name : Airbus Group India Private Limited

Nature Of Business : Core Engineering

Designation : Associate Engineer - Flight Physics

Tentative Job Location : Bangalore

ASSOCIATE ENGINEER - FLIGHT PHYSICS

Job Code: Associate Engineer - Flight Physics

Job Description:

The activities include (but not limited to)

- Aerodynamic Design
- Aerodynamic Data Calculation
- Aircraft loads modelling & calculations
- Aircraft Structural Dynamics and Aeroelastic analysis
- Aircraft performance analysis
- Aircraft mass properties modelling & calculations

A brief description of the activities is given below.

- Calculate & Produce aerodynamics deliverables (CFD Production/Validation/Pilot Application, POD based Modeling, Tool Development)
- Calculate & analyse all external loads acting on the aircraft due to manoeuvres, flight in turbulence, landing impact, ground-handling etc. through modeling & simulation of aircraft aerodynamics, inertia, flexibility, landing gear, control systems, and flight mechanical behaviour.
- Ensure that the aircraft is free of flutter phenomena through the entire operating envelope
- Modeling and Analysis of Aircraft Structural Dynamics
- Modeling and analysis aircraft performance in all phases of flight (take-off, climb, cruise, descent, landing)
- Modeling and analysis of evaluation of aircraft mass properties in all phases of flight (development, design, manufacturing, service)

Education & Experience

Masters degree in Aeronautical, Mechanical engineering or related disciplines

Required Technical Expertise:

- Flight mechanics
- Aerodynamics and Basic CFD
- Structural dynamics
- Control theory
- Programming skills in MATLAB, C, FORTRAN, Python, UNIX, and/or VB macros in Excel are a plus

Soft Skills

- Teamwork (high priority!)
- Good communication skills
- Willingness to learn new skills, self-development
- Problem-solving orientation

	Program	AE	BSBE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	CGS	HSS	EEM	MSP	NET	PSE	Stats
Eligibility :	BT	No	No	No	No	No	No	--	No	No	--	--	--	--	--	--	--	--	--	--	--	--	--
	BS	--	--	--	--	--	--	No	--	--	No	No	No	No	--	--	--	--	--	--	--	--	--
	MT	Yes	No	No	No	No	No	No	Yes	No	--	--	--	--	--	No	--	--	No	No	No	No	--
	DoubleMajor	No	No	No	No	No	No	--	No	No	No	No	No	No	--	--	--	--	--	--	--	--	--
	dual	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	--	--	--	--	--	--	--	--	--
	dualB	Yes	No	No	No	No	No	--	Yes	No	No	No	No	No	--	No	--	--	No	--	No	No	--
	dualC	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	--	--	--	--	--	--	--
	Mdes	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--	--
	MBA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--
	Phd	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
	MSc	--	--	--	--	--	--	--	--	No	No	No	No	--	--	--	--	--	--	--	--	--	No
	MSR	Yes	No	No	No	No	No	--	Yes	No	--	--	--	--	--	--	No	--	--	--	--	No	--

Cost to Company : CTC: 10 LPA

Joining Bonus: 1 Lakhs with one year locking period

Airbus India offers many other benefits to employees over and above salary; I am listing some of them here:

- Group Mediclaim Insurance: INR 1,000,000**
- Personal Accident Insurance: INR 600,000**
- Technical certification Reimbursement: INR 25,000 Per Annum**

Package Details :

4. Food Coupons: INR 1500 per month over and above CTC. – Sodexo Card

5. Ad-hoc payment of INR 1200 per month towards travel to office

6. Life insurance coverage (Twice CTC / min 25 Lakhs – max 100 Lakhs), Critical illness cover for additional 10 Lakhs

Bond :	False
CPI CutOff :	0.0
Medical Requirments :	
Resume Shortlist :	True
Resume Shortlist Criteria:	N/A
Aptitude Test:	False
Group Discussion:	False
Technical Test:	True
Technical Test Duration:	01:00 Hr
Technical Interview:	True
Technical Interview Duration:	45 Mins
Number of Techincal Interview Rounds:	1
HR Interview:	True
HR Interview Duration:	30 Mins
Additional Information:	