

Proforma

Companies open to your department

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)

- 1. Aerodynamic Design
- 2. Aerodynamic Data Calculation
- 3. Aircraft loads modelling & calculations
- 4. Aircraft Structural Dynamics and Aeroelastic analysis
- 5. Aircraft performance analysis
- 6. 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

Department BT BS MT DoubleMajor dual dualB dualC Mdes MBA Phd MSc MSR

|      |   |   |   |   |   |   |   |   |   |   |   |   |
|------|---|---|---|---|---|---|---|---|---|---|---|---|
| AE   | N | - | Y | N | Y | Y | Y | - | - | N | - | Y |
| BSBE | N | - | N | N | N | N | N | - | - | N | - | N |
| CE   | N | - | N | N | N | N | N | - | - | N | - | N |
| CHE  | N | - | N | N | N | N | N | - | - | N | - | N |
| CSE  | N | - | N | N | N | N | N | - | - | N | - | N |
| EE   | N | - | N | N | N | N | N | - | - | N | - | N |
| ES   | - | N | N | - | N | - | N | - | - | N | - | - |
| ME   | N | - | Y | N | Y | Y | Y | - | - | N | - | Y |
| MSE  | N | - | N | N | N | N | N | - | - | N | - | N |
| PHY  | - | N | - | N | N | N | N | - | - | N | N | - |
| CHM  | - | N | - | N | N | N | N | - | - | N | N | - |

Eligibility :

|       |   |   |   |   |   |   |   |   |   |   |   |   |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|
| MTH   | - | N | - | N | N | N | N | - | - | N | N | - |
| ECO   | - | N | - | N | N | N | N | - | - | N | - | - |
| DES   | - | - | - | - | - | - | N | N | - | N | - | - |
| IME   | - | - | N | - | - | N | N | - | N | N | - | - |
| CGS   | - | - | - | - | - | - | - | - | - | N | - | N |
| HSS   | - | - | - | - | - | - | - | - | - | N | - | - |
| EEM   | - | - | N | - | - | N | - | - | - | N | - | - |
| MSP   | - | - | N | - | - | - | - | - | - | N | - | - |
| NET   | - | - | N | - | - | N | - | - | - | N | - | - |
| PSE   | - | - | N | - | - | N | - | - | - | N | - | N |
| Stats | - | - | - | - | - | - | - | - | - | N | N | - |

CTC: 10 LPA

Cost to Company :

Joining Bonus: 1 Lakhs with one year locking period

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

1. Group Mediclaim Insurance: INR **1,000,000**

2. Personal Accident Insurance: INR **600,000**

Package Details :

3. TechnicalÂ certification Reimbursement: INR **25,000** Per Annum

4 . Food Coupons: INR **1500** per month over and above CTC. â€“ Sodexo Card

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

6. LifeÂ insurance coverage (Twice CTC / min 25 Lakhs â€“Â max 100 Lakhs),  
Critical illness cover for additional 10 Lakhs

Bond : False

Medical  
Requirements :

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