

Proforma

Companies open to your department

Company : Agnikul Cosmos

Company Name : Agnikul Cosmos

Nature Of Business : Manufacturing

Designation : Launch Vehicle Turbomachinery Engineer

Tentative Job Location : Chennai

Description :

Launch Vehicle Turbomachinery Engineer Eligibility We strongly prefer working with individuals who are passionate about aerospace and are willing to work with us for the long term. RESPONSIBILITIES

• Develop simulation models for liquid propulsion system simulations for all aspects of rocket engine combustion

• Develop computational analysis techniques to analyze complex multiphase flow within a turbo pump feeding a rocket engine.

• Verify engine performance simulations with experimental cold flow data results

• Design simulation techniques and step-wise detailed procedures to analyze complicated fluid solid interactions within a rocket engine

• Lead reviews on matching experimental data with simulation data and present reasoning for diversions

• Analyze the effects of engine clustering through detailed computational analysis across various altitudes and vehicle configurations

• Determine experimental validation of high altitude engines with CFD without the use of experimental facilities to prove the same.

ADDITIONAL REQUIREMENTS • Must be available to work extended hours and weekends as needed.

Location: Chennai, India

Employment Type: Full Time

| Department | BT | BS | MT | Double | Major | dual | dual | B | dual | C | Mdes | MBA | Phd | MSc | MSR |
|------------|----|----|----|--------|-------|------|------|---|------|---|------|-----|-----|-----|-----|
| AE         | Y  | -  | Y  | Y      |       | Y    | Y    | Y | -    | - | N    | -   | Y   |     |     |
| BSBE       | Y  | -  | Y  | Y      |       | Y    | Y    | Y | -    | - | N    | -   | Y   |     |     |
| CE         | Y  | -  | Y  | Y      |       | Y    | Y    | Y | -    | - | N    | -   | Y   |     |     |
| CHE        | Y  | -  | Y  | Y      |       | Y    | Y    | Y | -    | - | N    | -   | Y   |     |     |
| CSE        | Y  | -  | Y  | Y      |       | Y    | Y    | Y | -    | - | N    | -   | Y   |     |     |
| EE         | Y  | -  | Y  | Y      |       | Y    | Y    | Y | -    | - | N    | -   | Y   |     |     |
| ES         | -  | Y  | Y  | -      |       | Y    | -    | Y | -    | - | N    | -   | -   |     |     |
| ME         | Y  | -  | Y  | Y      |       | Y    | Y    | Y | -    | - | N    | -   | Y   |     |     |
| MSE        | Y  | -  | Y  | Y      |       | Y    | Y    | Y | -    | - | N    | -   | Y   |     |     |
| PHY        | -  | Y  | -  | Y      |       | Y    | Y    | Y | -    | - | N    | Y   | -   |     |     |
| CHM        | -  | Y  | -  | Y      |       | Y    | Y    | Y | -    | - | N    | Y   | -   |     |     |
| MTH        | -  | Y  | -  | Y      |       | Y    | Y    | Y | -    | - | N    | Y   | -   |     |     |
| ECO        | -  | Y  | -  | Y      |       | Y    | Y    | Y | -    | - | N    | -   | -   |     |     |
| DES        | -  | -  | -  | -      |       | -    | -    | Y | N    | - | N    | -   | -   |     |     |
| IME        | -  | -  | Y  | -      |       | -    | Y    | Y | -    | N | N    | -   | -   |     |     |
| CGS        | -  | -  | -  | -      |       | -    | -    | - | -    | - | N    | -   | Y   |     |     |
| HSS        | -  | -  | -  | -      |       | -    | -    | - | -    | - | N    | -   | -   |     |     |
| EEM        | -  | -  | Y  | -      |       | -    | Y    | - | -    | - | N    | -   | -   |     |     |
| MSP        | -  | -  | Y  | -      |       | -    | -    | - | -    | - | N    | -   | -   |     |     |
| NET        | -  | -  | Y  | -      |       | -    | Y    | - | -    | - | N    | -   | -   |     |     |
| PSE        | -  | -  | Y  | -      |       | -    | Y    | - | -    | - | N    | -   | Y   |     |     |
| Stats      | -  | -  | -  | -      |       | -    | -    | - | -    | - | N    | Y   | -   |     |     |

Cost to Company : B.Tech - 15 LPA

M.Tech - 10 LPA

Salary breakup for B.Tech

| Salary Components (Break-up) |     |         |        |         |
|------------------------------|-----|---------|--------|---------|
| Particulars                  | No. | Monthly | Yearly | Remarks |
|                              |     |         |        |         |

|  |          |                 |                  |  |
|--|----------|-----------------|------------------|--|
| Basic Salary                                       | a        | 45000           | 540000           |  |
| Dearness Allowance                                 | b        | 5000            | 60000            |  |
| HRA (House Rent Allowance)                         | c        | 25000           | 300000           |  |
| Other Allowance                                    | d        | 25000           | 300000           |  |
| Special Allowance                                  | e        | 25000           | 300000           |  |
| LTA (Leave Travel Allowance)                       | f        | Nil             | Nil              |  |
| <b>Gross Salary (a+b+c+d+e+f)</b>                  | <b>g</b> | <b>1,25,000</b> | <b>15,00,000</b> | <b>Cost to Company</b>   |
| <b>Statutory Compliance</b>                        |          | -               |                  |  |
| Provident Fund (P.F.)                              | h        | 1800            | 21600            | Subject to Maximum of Rs. 15,000 ( Basic + DA )  |
| Employee State Insurance (E.S.I.)                  | i        | Nil             | Nil              |  |
| Professional Tax                                   | j        | 209             | 2508             |  |
| Group Medical and Personal Accident Insurance T&C* | k        | 406             | 4872             |  |
| TDS (Tax Deducted at Source)                       | l        | 13023           | 156276           |  |
| <b>Total Deduction (h+i+j+k+l)</b>                 | <b>m</b> | <b>15,438</b>   | <b>1,85,256</b>  | Deduction for PF, ESI, Income and Professional Taxes   |
| <b>Variable Components</b>                         |          | -               |                  |  |
| Esops (Share,Stock etc.)                           | n        | Nil             | Nil              | Nil  |
| PLI (Performance Link Incentive)                   | o        | 25000           | 300000           | It is purely linked to the performance which will be paid as per the company policy (ONCE A YEAR PAYMENT ONLY) |
| Bonus (Joining bonus etc.)                         | p        | Nil             | Nil              | Paid as per the company policy   |
| <b>Total Variable Components (n+o+p)</b>           | <b>q</b> | <b>25,000</b>   | <b>3,00,000</b>  |  |
| <b>Net Salary -Â (g-m-q)</b>                       | <b>r</b> | <b>84,562</b>   | <b>10,14,744</b> |  |

Package Details :

#### Salary Breakup for M.Tech

| Salary Components (Break-up) |     |         |        |         |
|------------------------------|-----|---------|--------|---------|
| Particulars                  | No. | Monthly | Yearly | Remarks |
| Basic Salary                 | a   | 26250   | 315000 |         |
| Dearness Allowance           | b   | 2917    | 35004  |         |
| HRA (House Rent Allowance)   | c   | 14583   | 174996 |         |
| Other Allowance              | d   | 14583   | 174996 |         |
| Special Allowance            | e   | 25000   | 300000 |         |
|                              |     |         |        |         |

|  |          |               |                 |  |
|--|----------|---------------|-----------------|--|
| LTA (Leave Travel Allowance)                       | f        | Nil           | Nil             |  |
| <b>Gross Salary (a+b+c+d+e+f)</b>                  | <b>g</b> | <b>83333</b>  | <b>9,99,996</b> | <b>Cost to Company</b>   |
| <b>Statutory Compliance</b>                        |          | -             |                 |  |
| Provident Fund (P.F.)                              | h        | 1800          | 21600           | Subject to Maximum of Rs. 15,000 ( Basic + DA )  |
| Employee State Insurance (E.S.I.)                  | i        | Nil           | Nil             |  |
| Professional Tax                                   | j        | 209           | 2508            |  |
| Group Medical and Personal Accident Insurance T&C* | k        | 406           | 4872            |  |
| TDS (Tax Deducted at Source)                       | l        | 3265          | 39180           |  |
| <b>Total Deduction (h+i+j+k+l)</b>                 | <b>m</b> | <b>5,680</b>  | <b>68,160</b>   | <b>Deduction for PF, ESI, Income and Professional Taxes</b>  |
| <b>Variable Components</b>                         |          | -             |                 |  |
| Esops (Share,Stock etc.)                           | n        | Nil           | Nil             | Nil  |
| PLI (Performance Link Incentive)                   | o        |               | 300000          | It is purely linked to the performance which will be paid as per the company policy (ONCE A YEAR PAYMENT ONLY) |
| Bonus (Joining bonus etc.)                         | p        | Nil           | Nil             | Paid as per the company policy   |
| <b>Total Variable Components (n+o+p)</b>           | <b>q</b> |               | <b>3,00,000</b> |  |
| <b>Net Salary -Â (g-m-q)</b>                       | <b>r</b> | <b>52,653</b> | <b>6,31,836</b> |  |

Bond : False  
 Medical Requirements :  
 Resume Shortlist : True  
 Resume Shortlist Criteria: N/A  
 Aptitude Test: True  
 Aptitude Test Duration: 2 hrs  
 Group Discussion: True  
 Group Discussion Duration: 2 hrs  
 Group Discussion Strengtd:  
 Technical Test: True  
 Technical Test Duration: 2 hrs  
 Technical Interview: True  
 Technical Interview Duration: 2 hrs  
 Number of Techincal Interview Rounds: 2  
 HR Interview: True  
 HR Interview Duration: 2 hrs

