

Proforma

Companies open to your department

Company : Agnikul Cosmos  
Company Name : Agnikul Cosmos  
Nature Of Business : Manufacturing  
Designation : Launch Vehicle Structural Vehicle Engineer  
Tentative Job Location : Chennai

Description : Launch Vehicle Structural Vehicle Engineer Eligibility We strongly prefer working with individuals who are passionate about aerospace and are willing to work with us for the long term. WHAT IT TAKES ?  If you have wondered where the center of gravity of the Penrose Stairs lies, this is for you.  Even better if you have spent more than 100 hours trying to figure out the best material for Space Elevator Tethers.  Preferably, you have also googled: "Inconel vs. carbon composites for 3d printing" RESPONSIBILITIES  Responsible for build of initial development hardware, ensuring efficient manufacturability and modifying design as needed (Can't stress this point enough - pun intended)  Perform, document, and present static, dynamic, custom-modal, thermo-mechanical, fatigue and fracture analyses  Perform initial sizing analyses by hand calculation, detailed structural analysis using Finite element analysis tools  Perform detailed fluid system layout and/or mechanical design utilizing CAD and understanding of materials  Seek out and evaluate state-of-the-art analysis techniques and tools  Identify and procure long lead items such as machining parts, seals, forgings, etc.  Coordinate and perform development and qualification efforts of hardware  Design and build testing equipment or stands  Manage the transition from development to production for flight quality hardware BASIC QUALIFICATIONS  Bachelor's degree in an engineering discipline  Experience with Finite Element Analysis (FEA) and commercial tools  Excellent understanding of fatigue and fracture mechanics principles  Ability to work extended hours and weekends as needed. PREFERRED SKILLS AND EXPERIENCE  Master's degree or PhD in an engineering discipline  Strong background in solid mechanics and structural dynamics (custom-modal, transient, and random vibration analysis)  Expert on fatigue, crack initiation, propagation mechanisms and metallic failure prevention  Familiar with crack growth analysis codes  Excellent oral and written communication skills  Ability to deliver against an aggressive schedule ADDITIONAL REQUIREMENTS  Must be available to work extended hours and weekends as needed. What you could take away?  Your work will directly impact the company's (and the rocket's) trajectory.  You will learn rocket science from some of the most senior and respected minds in ISRO.  You will work on shaping space policy in India.  You will dirty your hands in a global supply/chain optimization problem. Location: Chennai, India Employment Type: Full Time

Department		BT	BS	MT	Double	Major	dual	dualB	dualC	Mdes	MBA	Phd	MSc	MSR
Eligibility :	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

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	
Gross Salary (a+b+c+d+e+f)	g	1,25,000	15,00,000	Cost to Company
Statutory Compliance		-		
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	
Total Deduction (h+i+j+k+l)	m	15,438	1,85,256	Deduction for PF, ESI, Income and Professional Taxes
Variable Components		-		
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
Total Variable Components (n+o+p)	q	25,000	3,00,000	
Net Salary -Â (g-m-q)	r	84,562	10,14,744	

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>	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		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 :  
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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 N/2

Duration:  
Technical  
Interview: True

Technical  
Interview  
Duration: 2 hrs

Number of  
Techincal  
Interview  
Rounds: 2

HR  
Interview: True

HR Interview  
Duration: 2 hrs

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