

Proforma

Companies open to your department

Company : Agnikul Cosmos  
Company Name : Agnikul Cosmos  
Nature Of Business : Manufacturing  
Designation : Mission Design Software Developer  
Tentative Job Location : Chennai

Mission Design Software Developer 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 belong to the category of typing a semicolon instead of a full stop, this is for you; //(We are syntax agnostic in our search though (any language experience is okay!)); If you see a car's headlights and wonder what happened to your ability for abstraction, this is for you. If you can see a launch vehicle as a 21st century robot, this is for you. RESPONSIBILITIES Optimize trajectories the launch vehicle will have to fly in to get to orbit. Work with Propulsion and GNC Engineers to code engine characterization, carry out simulations, and integrate programs into flight control algorithms. Work interdisciplinary trades (e.g. with Avionics, GNC, Thermal, and Structures) that result in the most optimal vehicle level configuration. BASIC QUALIFICATIONS Bachelor's degree in computer science, physics, electrical engineering, or equivalent engineering discipline. Understands the basic physics behind projectile motion. Applied experience coding in an object-oriented language. Ability to work long hours, weekends etc. if needed (almost always!). PREFERRED SKILLS AND EXPERIENCE Ability to design and implement robust and scalable systems with flexible and scalable UI. Professional experience with standard front-end technologies like modern HTML, CSS, JavaScript (we use AngularJS, Polymer, Backbone.js, React, and more), REST, JSON. Deep understanding of object oriented programming. Deep understanding of distributed, horizontally scalable systems. Experiences with cloud technologies such as AWS, Azure or Google Cloud Engine. Focus on performance bottlenecks and performance improvement techniques. Familiar with basic principles of compressible and incompressible flow, thermodynamics, thermochemistry, mechanics, materials, and electrical circuits. A background in scientific computing, high-performance computing, or mathematics. Strong skills with debuggers, profilers, and unit testing. Interest in/competence with multiple languages and technologies (Python, C++, Simulation tools, SQL). Familiar with Agile software development techniques, particularly Test-Driven Development, and Continuous Integration. Experience with database management. Able to prioritize and execute tasks in a high-pressure environment with ongoing drive for continuous improvement in all aspects of work. Excellent communication skills and ability to succinctly present recommendations to stakeholders, the customer, and management. Able to work well in an integrated collaborative team environment, including frequent interactions with technicians, other engineers, and managers. 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	dual	B	dual	C	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
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	
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 :

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

---