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

Description :

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

Eligibilty :

Program	AE	BSBE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	CGS	HSS	EEM	MSP	NET	PSE	Stats
BT	Yes	Yes	Yes	Yes	Yes	Yes	--	Yes	Yes	--	--	--	--	--	--	--	--	--	--	--	--	--
BS	--	--	--	--	--	--	Yes	--	--	Yes	Yes	Yes	Yes	--	--	--	--	--	--	--	--	--
MT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	--	--	--	--	--	Yes	--	--	Yes	Yes	Yes	Yes	--
DoubleMajor	Yes	Yes	Yes	Yes	Yes	Yes	--	Yes	Yes	Yes	Yes	Yes	Yes	--	--	--	--	--	--	--	--	--
dual	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	--	--	--	--	--	--	--	--	--
dualB	Yes	Yes	Yes	Yes	Yes	Yes	--	Yes	Yes	Yes	Yes	Yes	Yes	--	Yes	--	--	Yes	--	Yes	Yes	--
dualC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	Yes	Yes	Yes	--	--	--	--	--	--	--	--	--	Yes
MSR	Yes	Yes	Yes	Yes	Yes	Yes	--	Yes	Yes	--	--	--	--	--	Yes	--	--	--	--	Yes	--	--

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	f	Nil	Nil	

Particulars	No.	Monthly	Yearly	Remarks
Allowance)				
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 - (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	
Gross Salary (a+b+c+d+e+f)	**g**	**83333**	**9,99,996**	**Cost to Company**
Statutory Compliance		-		
				Subject to

Provident Fund (P.F.)	h	1800	21600	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	
Total Deduction (h+i+j+k+l)	**m**	**5,680**	**68,160**	Deduction for PF, ESI, Income and Professional Taxes
Variable Components		-		
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
Total Variable Components (n+o+p)	**q**		3,00,000	
Net Salary - (g-m-q)	**r**	**52,653**	**6,31,836**	

Bond :	**False**
CPI CutOff :	**0.0**
Medical Requirments :	
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 Strength:	**N/A**
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**
Additional Information:	