

Proforma

Companies open to your department

Company :	Agnikul Cosmos
Company Name :	Agnikul Cosmos
Nature Of Business :	Manufacturing
Designation :	Astrodynamics Researcher
Tentative Job Location :	Chennai
	Launch rockets anywhere, anytime, affordably. Hello! from AgniKul. Who are we? AgniKul Cosmos Private Limited focuses on design, development and testing of all aspects of rocket launch vehicle technology. We are working on creating a small orbital class launch vehicle that will be designed in India. (“AgniKul” is inspired by the sanskrit word “Gurukul”. Translates to: “a place where we learn to use fire” ) The company was founded with the sole idea of making space access affordable for everyone. Getting to space shouldn’t be the hardest part about being space-faring. We would like to do our part in bringing space access to the common man. We strongly believe that making space access extremely cheap will open up currently unexplored paths in fields that are not even remotely linked to space today. Advisors: We are both, very proud and thoroughly humbled to have an extremely accomplished set of advisors spread across senior scientists from ISRO, IIT-Madras, the Indian Govt. and even our customer base (i.e.. Cubesat developers) helping us accomplish this mission. What do we offer? We are not here to just give grunt work to interns and employees. Computer programs do that really well. Our employees will be either directly helping us shape the design of the rocket, or work with us on carving out the business strategy, or build an operations framework for an international supply/chain problem in rocket manufacturing. Eligibility We strongly prefer working with interns and employees who are passionate about space and willing to work with us for long term Job Title : Astrodynamics Researcher (physics) If you are intrigued by knowing that Newton was born in the exact same year Galileo died this job is for you. If you know Kepler’s second law and Kepler’s third law where the result of a careful set of mistakes that luckily cancelled out in his favor - this job is for you. If you think the importance of engineering is overrated (and that of physics is underrated) in rocket design, this job is for you. Responsibilities: — Leads/Co-leads the mathematical and physical design problem of trajectory design for a continuously accelerating rocket — Explore approaches for designing satellite trajectories — Guide development of new software or algorithms to support trajectory design AgniKul Cosmos Private Limited, Chennai   www.agnikul.in   humancapital@agnikul.in +91-9962507524  +91-9677282356 Launch rockets anywhere, anytime, affordably. — Selection of guidance parameters and navigation constants based on celestial body
Description :	

dynamics  
 â— Analysis to verify compliance with contractual mission requirements including direct customer interface  
 â— Documentation of analysis and test results with a focus on automation and efficiency of reporting  
 â— Testing math and physics assumptions behind simple flight software

Basic Qualifications:  
 â— Bachelor's degree in Physics or Mathematics  
 â— Understanding of Celestial body mechanics, classical dynamics  
 â— A basic understanding of spherical trigonometry

Preferred Skills and Experience:  
 â— Masters degree in Physics or Mathematics  
 â— Passion for physics and mathematics  
 â— Passion for advancing the commercial space industry and human spaceflight  
 â— Excellent communication skills both written and verbal

Additional Requirements:  
 â— Must be available to work extended hours and weekends as needed.

What you could take away?  
 â— Your work will directly impact the company's (and the rocket's) trajectory  
 â— You will learn rocket science from some of the most senior and respected minds in ISRO  
 â— You will work on shaping space policy in India  
 â— You will dirty your hands in a global supply/chain optimization problem

Location  
 â— Chennai, India  
 â— Remote working can be considered on a case-by-case basis

Employment Type  
 â— Internship  
 â— Part Time  
 â— Full Time  
 â— PhD Programs support

In conclusion  
 A rocket, like anything else, is just the outcome of the right group of individuals coming together and working towards a common vision. We deeply value people we work with and are looking to collaborate with some of the best minds in the country to bring space closer to earth.

AgniKul Cosmos Private Limited, Chennai | [www.agnikul.in](http://www.agnikul.in) | [humancapital@agnikul.in](mailto:humancapital@agnikul.in)  
 +91-9962507524 |+91-9677282356

Launch rockets anywhere, anytime, affordably.  
 Pls. send us a three line email about yourself and a resume to : [humancapital@agnikul.in](mailto:humancapital@agnikul.in) if you are interested.

AgniKul Cosmos Private Limited, Chennai | [www.agnikul.in](http://www.agnikul.in) | [humancapital@agnikul.in](mailto:humancapital@agnikul.in)  
 +91-9962507524 |+91-9677282356

Department	BT	BS	MT	Double	Major	dual	dualB	dualC	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	-	-

Eligibility :

EEM	-	-	Y	-	-	Y	-	-	-	N	-	-
MSP	-	-	Y	-	-	-	-	-	-	N	-	-
NET	-	-	Y	-	-	Y	-	-	-	N	-	-
PSE	-	-	Y	-	-	Y	-	-	-	N	-	Y
Stats	-	-	-	-	-	-	-	-	-	N	Y	-

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>	

Salary Breakup for M.Tech

Cost to Company :

Package Details :

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: True  
 Technical Test: True  
 Technical Test Duration: 2 hrs  
 Technical Interview: True  
 Technical Interview Duration: N/A

Number of Techincal Interview Rounds:	2
HR Interview:	True
HR Interview Duration:	N/A

---