

Company :
Company Name :
Nature Of Business :
Designation :
Tentative Job Location :

Agnikul Cosmos
Agnikul Cosmos
Manufacturing
Vehicle Dynamics Engineer
Chennai

Vehicle Dynamics 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 know why water tanker lorries in India have their tops open - this is for you. (Even better if you have tried to model slosh dynamics of a water tanker lorry). • If you can mathematically predict the instantaneous position and velocity of how your life will evolve - this is for you. • If you like designing autopilots - this is definitely for you. **RESPONSIBILITIES** • Design, analyze and build flight dynamics models for launch vehicles. • Design high fidelity simulations of hypersonic flight systems, deriving from experience in flight dynamics, navigation, guidance, and control. **BASIC QUALIFICATIONS** • Bachelors / Master's degree in controls engineering, aerospace or mechanical engineering or any degree that enhanced your ability to model systems mathematically. • 2-3 years of experience in mathematically modeling system dynamics. • A fascination to bring space closer to everyone on earth. **PREFERRED SKILLS AND EXPERIENCE** • Master's degree in aeronautical/astronautical, aerospace or mechanical engineering. • Understanding of software-in-the-loop and hardware-in-the-loop development. • Design and analyze control approaches for complex vehicle systems, leveraging modern synthesis and analysis methods. • Be able to understand vehicle plant dynamics and select appropriate control methods. • Research and create launch vehicle guidance algorithm. • Understanding of system dynamics, trajectory optimization to develop algorithms suitable for simulation and onboard use. **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

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 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 - (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		-		
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	k	406	4872	

Insurance T&C*				
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 Technincal Interview Rounds:	2
HR Interview:	True
HR Interview Duration:	2 hrs

**Additional
Information:**