

Company : Agnikul Cosmos
Company Name : Agnikul Cosmos
Nature Of Business : Manufacturing
Designation : Embedded Software Engineer
Tentative Job Location : Chennai

Embedded Software 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 make typos such as “keil down” instead of “kneel down” - this is for you • If “assembly line” means one line of code - this is for you • If you think the next cricket match version should be “8080” - this is for you **RESPONSIBILITIES** • Design, develop and test (not necessarily space hardened) avionics firmware that will support the functions of our launch vehicles and test systems. • Strong firmware debugging capabilities with respect to embedded system issues • Create firmware systems with efficiency, modularity, extensibility, and robustness • Design communication protocols and demonstrate the ability to work with I2C, SPI, UART, USB, CAN and Ethernet. • Support through production and testing phase is expected • Design and lead boards with different MCUs(Cortex M4, MSP), peripherals, features, and development environments. • Define board schematics and know EE fundamentals **BASIC QUALIFICATIONS** • Bachelor of Science Degree in Electrical Engineering, Computer Engineering or Physics. • Proficient in C and C++ embedded firmware development • Experience with FPGA programming is a plus • Simple soldering and rework experience is a plus • Professional experience with experience in fast-paced projects (non-aerospace is okay); CPU-based circuit cards, consumer electronics, wireless devices, and/or low power platforms. • Professional experience with analog, digital or mixed-signal design principles including designs using operational amplifiers, filters, and transistors. **PREFERRED SKILLS AND EXPERIENCE** • Masters of Science Degree in Electrical Engineering, Computer Engineering or equivalent area of focus. • 2+ years of board level experience designing hardware from concept through production; strong emphasis on full lifecycle development of new hardware systems -- not small incremental updates to legacy hardware • Strong understanding of computers and programming languages (C/C++, Simulation tools, Assembly language).
 • Ability to work in a fast paced, autonomously driven, and demanding start-up atmosphere • Excellent communication skills both written and verbal. **ADDITIONAL REQUIREMENTS** • Must be available to work extended hours and weekends as needed. What you could take away? • You might have designed one of the most compact electric motors in the world! • 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.

Description :

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 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:
Additional
Information:**

2 hrs