

Proforma

Companies open to your department

Company : Caterpillar India Private Limited
Company Name : Caterpillar India Private Limited
Nature Of Business : Core/Engineering/ Manufacturing
Designation : Associate Engineer - Engine Testing & Simulation
Tentative Job Location : Bangalore/ Chennai

Description

For nearly 90 years, Caterpillar Inc. has been making sustainable progress possible and driving positive change on every continent. Customers turn to Caterpillar to help them develop infrastructure, energy and natural resource assets. Caterpillar is the world's leading manufacturer of construction and mining equipment, diesel and natural gas engines, industrial gas turbines and diesel-electric locomotives. A lasting legacy of talented and committed employees give Caterpillar its competitive edge. It is our team that has allowed this company to accomplish great things. From the construction of the Hoover Dam, to facilitating communication for the Apollo moon-landing mission, to earthquake relief in Indonesia, our employees have never failed to give customers enduring results through superior service and innovation.

Engine Testing and Simulation

As an Associate Engineer, you will have the opportunity to learn from and contribute in a collaborative team environment in the area of design of new global products and processes. In this entry-level engineering position, you will build your technical expertise while learning product development through practical application and staying abreast of innovative technology. You will also build your professional network, engage with peers and receive guidance from mentors in the field.

Responsibilities:

In this role, you will also deepen your knowledge base of Caterpillar’s products, technologies, processes, services and

Description : systems, which you will use to:

- i. Performance analysis using 1D and 3D tools/ softwares
- i. Plan engine testing requirements and analyse the test data
- i. Evaluate new products, processes, or systems
- i. Communicate results to customers, suppliers, team members, and other business units
- i. Contribute to the analysis of new products and processes
- i. Perform product and process maintenance

Requirements:

- i. Sound understanding of IC Engine fundamentals and working principle.
- i. Understanding of Engine Performance and Testing theoretical concepts
- i. Sound understanding of Engine Mechanical system components design like Air systems, Fuels systems, Exhaust
- Systems, etc
- i. Excellent Verbal and Written Communication Skills
- i. Ability to work in teams as well as independently

Desirable:

- i. Working knowledge of MATLAB, Python

Department	BT	BS	MT	Double	Major	dual	dual	B	dual	C	Mdes	MBA	Phd	MSc	MSR
AE	N	-	Y	N		Y	Y	Y	-	-	N	-	Y		
BSBE	N	-	N	N		N	N	N	-	-	N	-	N		
CE	N	-	N	N		N	N	N	-	-	N	-	N		
CHE	N	-	N	N		N	N	N	-	-	N	-	N		
CSE	N	-	N	N		N	N	N	-	-	N	-	N		
EE	N	-	Y	N		Y	Y	Y	-	-	N	-	Y		
ES	-	N	N	-		N	-	N	-	-	N	-	-		
ME	N	-	Y	N		Y	Y	Y	-	-	N	-	Y		
MSE	N	-	N	N		N	N	N	-	-	N	-	N		
PHY	-	N	-	N		N	N	N	-	-	N	N	-		

Eligibility :	CHM	-	N	-	N	N	N	N	-	-	N	N	-
	MTH	-	N	-	N	N	N	N	-	-	N	N	-
	ECO	-	N	-	N	N	N	N	-	-	N	-	-
	DES	-	-	-	-	-	-	N	N	-	N	-	-
	IME	-	-	N	-	-	N	N	-	N	N	-	-
	CGS	-	-	-	-	-	-	-	-	-	N	-	N
	HSS	-	-	-	-	-	-	-	-	-	N	-	-
	EEM	-	-	N	-	-	N	-	-	-	N	-	-
	MSP	-	-	N	-	-	-	-	-	-	N	-	-
	NET	-	-	N	-	-	N	-	-	-	N	-	-
	PSE	-	-	N	-	-	N	-	-	-	N	-	N
	Stats	-	-	-	-	-	-	-	-	-	N	N	-

Cost to Company :	INR 11,64,282 p.a.
Package Details :	Fixed payments - INR 10,52,739 p.a.
Bond :	True
Bond Details :	2 years; delinking with bond - 2 lakhs
Medical Requirements :	Will be shared with selected students
Resume Shortlist :	True
Resume Shortlist Criteria:	GPA and Projects
Aptitude Test:	True
Aptitude Test Duration:	35 minutes
Group Discussion:	True
Group Discussion Duration:	30 mins
Group Discussion Strengtd:	
Technical Test:	True
Technical Test Duration:	60 minutes
Technical Interview:	True
Technical Interview Duration:	30 minutes
Number of Techincal Interview Rounds:	2
HR Interview:	False