

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 systems, which you will use to:

- Description :**
- 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

	Program	AE	BSBE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	CGS	HSS	EEM	MSP	NET	PSE	Stats
Eligibility :	BT	No	No	No	No	No	No	--	No	No	--	--	--	--	--	--	--	--	--	--	--	--	--
	BS	--	--	--	--	--	--	No	--	--	No	No	No	No	--	--	--	--	--	--	--	--	--
	MT	Yes	No	No	No	No	Yes	No	Yes	No	--	--	--	--	--	No	--	--	No	No	No	No	--
	DoubleMajor	No	No	No	No	No	No	--	No	No	No	No	No	No	--	--	--	--	--	--	--	--	--
	dual	Yes	No	No	No	No	Yes	No	Yes	No	No	No	No	No	--	--	--	--	--	--	--	--	--
	dualB	Yes	No	No	No	No	Yes	--	Yes	No	No	No	No	No	--	No	--	--	No	--	No	No	--
	dualC	Yes	No	No	No	No	Yes	No	Yes	No	No	No	No	No	No	No	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	No	No	No	--	--	--	--	--	--	--	--	--	No
	MSR	Yes	No	No	No	No	Yes	--	Yes	No	--	--	--	--	--	--	No	--	--	--	--	No	--

Cost to Company : INR 11,64,282 p.a.
Package Details : Fixed payments - INR 10,52,739 p.a.
Bond : True
CPI CutOff : 0.0
Bond Details : 2 years; delinking with bond - 2 lakhs
Medical Requirments : Will be shared with selected students
Resume Shortlist : True
Resume Shortlist : GPA and Projects

Criteria:	
Aptitude Test:	True
Aptitude Test Duration:	35 minutes
Group Discussion:	True
Group Discussion Duration:	30 mins
Group Discussion Strength:	8
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
Additional Information:	Eligibility criteria - CGPA 6.5 and above. No current arrears