Company :	**Nomura Structured Finance Services Pvt. Ltd.**
Company Name :	**Nomura Structured Finance Services Pvt. Ltd.**
Nature Of Business :	**Investment Banking**
Designation :	**Global Markets FID Quant Internship**
Tentative Job Location :	Mumbai

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Job Description for Fixed Income Quant Research Internship (FID Quant)

Overview

Nomura is an Asia-headquartered financial services group with an integrated global network spanning over 30 countries. By connecting markets East & West, Nomura services the needs of individuals, institutions, corporates and governments through its three business divisions: Retail, Asset Management, and Wholesale (Global Markets and Investment Banking). Founded in 1925, the firm is built on a tradition of disciplined entrepreneurship, serving clients with creative solutions and considered thought leadership. For further information about Nomura, visit www.nomura.com.

Nomura's Wholesale business includes Global Markets (Fixed Income & Equities) and Investment Banking division (ECM, DCM, M&A). Wholesale division operates across all four regions – Japan, Asia, Europe and Americas – and is a globally integrated franchise.

Business Unit Overview:

The GM quant team in Mumbai consists of two sub-teams: Fixed Income Quant Research and Algorithmic Trading Strategies. Both the sub-teams are an integral part of the Global Markets division and are affiliated to Nomura's Quantitative Research team, which has its principal centres in London, Tokyo, Mumbai, New York and Singapore. The team in Mumbai comprises of about 7 people, with varied backgrounds in Finance, Engineering and Physics, with strong and deep knowledge of financial modelling and computer science. One of the aims of the team is to predict the likely future outcomes of financial markets as well as develop models so that Nomura's traders can execute profitable trades and the firm can correctly value them.

Quant work involves many different skills and abilities, all of which center around being able to solve complex quantitative problems in an accurate and timely way. The core function of the FID-quant team is to develop models which calculate the correct price for any of Nomura's financial trades across all the asset classes (interest rates, bonds, equity, FX, credit, etc). This involves a sequence of steps starting with the basic modelling of financial markets, through to designing a model for any particular product, and finally implementing that model in C++ computer code. Nomura FID quants also have an industry-leading approach to calculating the risks of trades (known as the "greeks").

Other areas of quant activity include pricing adjustments for capital, collateral and margin; and general advisory to the firm on risk, valuation and systems issues.

Role & Responsibilities:

- **Development of pricing and risk models which calculate the correct worth for any of Nomura's financial trades across all the asset classes (interest rates, bond, equity, FX, credit, etc).**
- **Working as a fully integrated member of the global quant team, part of the front office**
- **Gain knowledge of the relevant global financial products**
- **Understanding and implementing the state-of-the-art pricing models in C++ code**
- **Working with traders and structurers to enable new trades to be executed**
- **Interacting with risk managers and other corporate functions to explain new quant models**
- **Learn how to efficiently calculate "fast greeks" for the firm's trades, using state-of-the-art methodologies**
- **Interact with IT groups, and help steer Nomura's systems development**

Knowledge and Skills required:

Description :

Core Competencies

- **Strong analytical skills**
- **High aptitude for mathematics**
- **Determined problem solving ability**
- **Excellent knowledge of C++**
- **Quick Learner**

General Competencies

- **Good communication skills**
- **Ability to work effectively as part of the team**
- **Strong work ethics**

Nomura Core Competencies:

Competencies	Behavioral Indicators
Culture & Conduct Building Nomura's Culture Diversity & Inclusion Professional Integrity Self-Awareness	Aware of own impact Respectful attitude Professionalism Gets involved
Client-Centricity & Business Acumen Commerciality Client-Centricity Analytical Thinking & Problem Solving	Product / service knowledge Responsive, accountable Detail orientated Offers options/solutions
Strategy & Innovation Strategic Thinking & Change Decision Making & Judgment Agility	Stays up to date Thinks differently Demonstrates entrepreneurial thinking Translates strategies into plans Stays one step ahead Open to new ways of thinking

Leadership & Collaboration Managing Talent Recognizing and Motivating Supporting, Developing & Collaborating with others Managing Conflict	Stays up to date Open to new ways of thinking Sees when to escalate Provides logical rationales Shows initiative to develop Leverages resources
Communication & Connectivity Articulation & Receptiveness Impact Connectivity	Recognizes others' efforts Offers to assist Willing team participant Shows interest

Eligibilty :

Program	AE	BSBE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	HSS
BT-BS	No	No	No	No	Yes	No	No	No	No	No	No	Yes	No	--	--	--
MT	No	No	No	No	No	No	No	No	No	--	--	--	--	--	No	--
DoubleMajor	No	No	No	No	Yes	No	No	No	No	No	No	Yes	No	--	--	--
dual	No	No	No	No	Yes	No	No	No	No	No	No	Yes	No	--	--	--
dualB	No	No	No	No	--	--	--	No	No	No	No	No	No	--	No	--
dualC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--
Mdes	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--	--
MBA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--
Phd	No	No	No	No	No	No	No	No	No	No	No	No	No	--	--	No
Msc	--	--	--	--	--	--	--	--	--	No	No	No	No	--	--	--
MSR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Stipend per month :	**INR 75000/- per month**
Other Facilities Offered :	**To-&-Fro economy air fare**
Bond :	**False**
CPI CutOff :	**0.0**
Medical Requirments :	
Resume Shortlist :	**True**
Resume Shortlist Criteria:	**N/A**
Aptitude Test:	**False**
Group Discussion:	**True**
Group Discussion Duration:	**30 minutes**
Group Discussion Strength:	**8-10**
Technical Test:	**False**
Technical Interview:	**True**
Technical Interview Duration:	**45 minutes**
Number of Techincal Interview Rounds:	**3**
HR Interview:	**True**
HR	

Interview Duration:	**45 minutes**
Additional Information:	