

Job Notification Form, IIT Delhi

Company Overview

Name:	HFCL Limited
Website:	https://www.hfcl.com/
Company Type:	Core (Technical)
Description:	? Leading manufacturer of OFC in India, ? State-of-the art Manufacturing and R&D facilities, ? 20+years of deploying telecommunication networks, ? Executing 8500Cr\$+ worth of Defense project, ? Exports to more than 60 countries

Job Details

Designation:	Post Graduate Engineer Trainee
Type:	Core (Technical)
Place of Posting:	Bangalore/Delhi NCR/Goa/Chennai/Hyderabad
Job Details:	Post Graduate Engineer Trainee - JD

Engineers hired from campus shall undergo 1 year training program, as a part of GET Spark Program. The 1 year training of graduate engineer trainees comprises of 2 weeks Induction, 1 week Behavioural/Functional Training program, 2 Weeks Plant visit, 1 week rotation in BU/Function and on-the-job training for approximately 11 months to take up specific role.

The objective of the one year training program is to groom young engineers into technical and business leaders by giving them an overview of the organization, actively involving in business, projects, sites, plants visits. On successful completion of 1 year training, PGETs shall be inducted as Manager.

Job Summary:

HFCL is developing 5G Radio Access Network (RAN) products based on open interfaces defined by 3GPP and O-RAN specifications.

Duties and Responsibilities:

- The job involves development of product requirements document and detailed system specifications for products in the area of 5G Radio Access Network (RAN).
- The job will involve design and development of hardware and software systems to realize the functionality of Radio Unit (RU), Distributed Unit (DU), Centralized Unit, Small cell, O-RAN Front haul, Mid-haul and Backhaul transport products.

□ The hardware development will involve hardware board design, RTL logic design for FPGA/ASIC using Verilog, design of Digital and Analog RF frontend, Antenna design. The software development will involve development of 5G Physical layer functionalities including Baseband signal processing, digital pre-distortion (DPD) algorithms, Crest Factor Reduction (CFR) algorithms, MIMO beamforming, channel filters etc.

□ The software development will also involve development of protocol features in MAC, RLC, PDCP, RRC and OAM layers, and development of management and orchestration functions.

- The job will require programming skills in C/C++, Python, Java, Verilog and familiarity with system simulations MATLAB, ADS, Signal generator, signal

analyzer, Telecom standards like 3GPP, O-RAN, IEEE etc.

- The ability to work in a team and taking ownership of the assigned tasks independently is essential.

- The job offers opportunity for creating patents, publishing research papers, contributing in standards and presenting in leading technical forums.

Eligibility Criteria:

M. Tech

Internship+ Full time employment offer for final year student. Offers granted during the placement session will be final.

Key Desired Skills:

- C/C++,Python, Java, Verilog
- Enthusiastic, vibrant, energetic, youthful, hardworking
- Adaptable and flexible to travel
- Openness to learn
- Good analytical and logical skills
- Positive attitude/Forward looking attitude
- Good presentation and communication skills

Joining By: 15 July 2022

Salary Details

CTC: 1,200,000 INR Per Annum

Gross: 1,026,036 INR Per Annum

CTC Breakup:

Sr.no.	Item	Annual
1	Basic Salary	₹4,40,000
2	House Rent Allowance	₹2,20,000
3	Transport Allowance	₹0
4	Special Allowance	₹3,66,036
5	Medical Allowance	₹0
Total Gross Salary		₹10,26,036

Variable Components

6	Gratuity	₹21,164
7	Provident Fund	₹52,800
8	Variable Component 1	₹0
9	Variable Component 2	₹0
10	Variable Component 3	₹0
Total CTC		₹11,00,000
Retention Bonus		₹1,00,000

Perks / Bonus:

Internship-
Internship Stipend- 30,000/ per month
Full Time offer-
12 LPA (11 Lakhs Fixed & 1 Lakh Retention Bonus)
Retention Plan Summary-
1st Year: 12 LPA(11 Lakhs+ 1 Lakh Retention Bonus)
2nd Year: 14 Lakhs(12 Lakhs + 2 Lakhs Retention Bonus)
3rd Year: 17 Lakhs (14 Lakhs + 3 Lakhs Retention Bonus)

Selection Process

Resume Shortlist: Yes

Written Test:	Yes
Online Test:	Yes
Group Discussion:	No
Medical Test:	No
Personal Interview:	Yes
No. of Rounds:	1
No. of Offers:	2
Minimum CGPA:	60 percent above

Eligibility

Recruiting PHDs: No

Eligible Departments: M.Tech in Applied Optics, M.Tech in Atmospheric-Oceanic Science and Technology, M.Tech in Biomedical Engineering, M.Tech in Chemical Engineering, M.Tech in Communications Engineering, M.Tech in Computer Science & Engineering, M.Tech in Computer Technology, M.Tech in Construction Engineering & Management, M.Tech in Control & Automation, M.Tech in Energy & Environment Technologies and Management, M.Tech in Energy Studies, M.Tech in Engineering Analysis & Design, M.Tech in Environmental Engineering & Management, M.Tech in Fibre Science & Technology, M.Tech in Geotechnical and Geoenvironmental Engineering, M.Tech in Industrial Engineering, M.Tech in Industrial Tribology & Maintenance Engineering, M.Tech in Instrument Technology, M.Tech in Integrated Electronics & Circuits, M.Tech in Materials Engineering, M.Tech in Mechanical Design, M.Tech in Molecular Engineering: Chemical Synthesis & Analysis, M.Tech in Optoelectronics & Optical Communication, M.Tech in Polymer Science & Technology, M.Tech in Polymer Science and Technology, M.Tech in Power Electronics, Electrical Machines & Drives, M.Tech in Power Systems, M.Tech in Production Engineering, M.Tech in Radio Frequency Design & Technology, M.Tech in Rock Engineering & Underground Structures, M.Tech in Solid State Materials, M.Tech in Structure Engineering, M.Tech in Telecommunication Technology & Management, M.Tech in Textile Chemical Processing, M.Tech in Textile Engineering, M.Tech in Thermal Engineering, M.Tech in Transportation Engineering, M.Tech in VLSI Design Tools & Technology, M.Tech in Water Resources Engineering, M.S.(R) in Applied Mechanics, M.S.(R) in Biochemical Engineering and Biotechnology, M.S.(R) in Biological Sciences, M.S.(R) in Telecommunication Technology and Management, M.S.(R) in Civil Engineering, M.S.(R) in Chemical Engineering, M.S.(R) in Computer Science & Engineering, M.S.(R) in Electrical Engineering, M.S.(R) in Sensors, Instrumentation and Cyber-physical System Engineering, M.S.(R) in Automotive Research and Tribology, M.S.(R) in VLSI Design Tools and Technology, M.S.(R) in Mechanical Engineering, M.S.(R) in Materials Science and Engineering, M.S.(R) in Information Technology