

Job Notification Form, IIT Delhi

Company Overview

Name: Qualcomm
Website: www.qualcomm.com
Company Type: Core (Technical)
Description: www.Qualcomm.com

Job Details

Designation: Systems Engineer
Type: Core (Technical)
Place of Posting: Bangalore/Hyderabad/Chennai

Job Details: Job Title Systems Engineers/Specialist (PHY and MAC Layer)
Company -
Division
Qualcomm Technologies, Inc. – Qualcomm CDMA Technologies (QCT)
and Qualcomm Research India
Job Area Engineering - Systems
Location Hyderabad
Educational
Requirements
Masters in Electrical Engineering (Communications/Signal Processing areas)
Ph.D. in Electrical Engineering (Communications/Signal Processing areas)
Overview Over the past thirty years, the systems engineering team at Qualcomm conceived and commercialized key innovations in wireless communication systems including cdma2000, EV-DO, HSPA, OFDMA based LTE-Advanced, Carrier Aggregation, HetNets, Small Cells, LTE in Unlicensed, LTE Direct, M2M (eMTC, NB-IoT), Wi-Fi 802.11ac and 802.11ax.
We are looking for innovative engineers in the areas of wireless communications and signal processing, who develop deep understanding of problems through thoughtful data-driven analysis and then shepherd the solutions through the lab to real world deployment.
Individuals in this role will actively participate and contribute to Qualcomm's systems engineering activities related to the evolution of 3G, 4G, 5G, WLAN and satellite communications technologies towards ever improving efficiency and capability. They will be required to gain thorough understanding of 3GPP/3GPP2 physical layer specifications and will be responsible for designing WWAN modem baseband algorithms and subsequent performance characterization, fixed point design and validation. The work would include theoretical analysis, computer aided analysis, regular active participation in design and review sessions, contribution to QUALCOMM's IP portfolio, systems support for implementation, technical contributions towards proprietary or public air interface specifications.
Individuals who possess skills/experience in one or more of the following are requested to apply:
• PHY and MAC Layers

- Information theory, Coding theory, Adaptive filtering, Signal Detection and Estimation, Digital Communications
- Familiarity with 3GPP/3GPP2 standards.
- Modem algorithms design, including channel and interference estimation, advanced receivers, decoders, tracking loops, techniques to mitigate RF impairments/distortions
- Interference and mobility management in radio access networks, interference cancellation, equalization, multi-user detection
- Mobile broadband, IoE, Mission Critical, Vehicular Communications, eMBB, massive IoT
- OFDMA and CDMA based FDD/TDD licensed/unlicensed systems
- RLC, PDCP, RRC, S1, X2, IP, UDP, TCP, HTTP protocols
- Radio access and core network design
- Programming skills in C/C++/MATLAB
- Familiarity with UNIX/Win/Linux computing platform

Joining By: 1 July 2022

Salary Details

CTC: 3,400,000 INR Per Annum

Gross: 1,600,000 INR Per Annum

CTC Breakup: updated

Selection Process

Resume Shortlist: Yes

Written Test: No

Online Test: Yes

Group Discussion: No

Medical Test: No

Personal Interview: Yes

No. of Rounds: 2

No. of Offers: 10

Minimum CGPA: 7.5

Eligibility

**Recruiting
PHDs:** Yes

**Eligible
Departments:** M.Tech in Communications Engineering, M.Tech in Control & Automation, M.Tech in Instrument Technology, M.Tech in Integrated Electronics & Circuits, M.Tech in Optoelectronics & Optical Communication, M.Tech in Power Electronics, Electrical Machines & Drives, M.Tech in Power Systems, M.Tech in Radio Frequency Design & Technology, M.Tech in Telecommunication Technology & Management, M.Tech in VLSI Design Tools & Technology, M.S.(R) in Electrical Engineering, M.S.(R) in VLSI Design Tools and Technology, M.S.(R) in Sensors, Instrumentation and Cyber-physical System Engineering, M.S.(R) in Telecommunication Technology and Management