Company :	**Qualcomm India Pvt Ltd**
Company Name :	**Qualcomm India Pvt Ltd**
Nature Of Business :	**Semi Conductor**
Designation :	**Sr. Engineer- Modem System Engineer**
Tentative Job Location :	Hyderabad

Description :

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	Bangalore and 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 platforms

Eligibilty :

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

Cost to Company :

Amount

Component	Amount
Total Gross Pay	INR 21.60 L
Retirals (PF and Gratuity)	INR 1.30 L
Performance Bonus*	INR 0.91 L
Joining Bonus	INR 9.60 L
Relocation Bonus (Paid within 60 days)	INR 0.50 L
Restricted Stock Value Awards (Vesting in 3 years)**	INR 22.50 L ($ 30,000)
Retention Bonus (Paid after 12 months)	INR 5.00 L

*Based on individual & Organization Performance || **RSV -33% vesting every year

Additional Benefits : Relocation Assistance , Insurance , Transportation .

$1=INR75

Package Details :

Component	
Total Gross Pay	INR 21.60 L
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$1=INR75

Bond :	**False**
CPI CutOff :	**0.0**
Medical Requirments :	**NA**
Resume Shortlist :	**True**
Resume Shortlist Criteria:	**N/A**
Aptitude Test:	**True**
Aptitude Test Duration:	**45 ins**
Group Discussion:	**False**
Technical Test:	**True**
Technical Test Duration:	**45 mins**
Technical Interview:	**True**
Technical Interview Duration:	**4:00hrs**
Number of Techincal Interview Rounds:	**4**
HR Interview:	**True**
HR Interview Duration:	**30 mins**

**Additional
Information:**