



Redefining R & D = C-DOT + Alcatel.

Work in the frontier areas of telecom research

Alcatel, French Telecom Major, and C-DOT, (Center for Development of Telematics), have set up a joint global R&D center for emerging technologies like Wimax, in Chennai. C-DOT Alcatel aims to take a quantum leap towards next generation networks and also leverage legacy networks. Alcatel brings its leading position in fixed and mobile broadband networks, applications and services, to help its partners and customers build a user-centric broadband world. You will now get to work with a world leader and a leader in South Asia, in their joint venture. We are hiring experts with various backgrounds and experiences from the world over to reinforce our pool of talent for the following positions:

Radio/Systems Testing (Engineer/Sr. Engineer/Tech Leader)

Experience: 2-8 years. **Knowledge of:** • Wireless Networks (GSM/GPRS/UMTS/CDMA) • Testing and tooling (white box, black box testing) • Specification/Requirements analysis • Test strategy/List building • Test description preparation and execution • Bug reporting, tracking and checking • ClearCase and debugging tools (gdb, ethereal, ...) • Interacting with several projects in worldwide environment. **(Job Code: ST002).**

Systems Design - Specification (Engineer/Sr. Engineer/Tech Leader)

Experience: 2-8 years. **Knowledge of:** • Mobile Network Architecture • Fixed Network Architecture (ADSL, PSTN) • Follow-up of 3GPP/3GPP2/WIMAX Forum standards • End-to-end system architecture and system simulation • IP protocols (TCP, UDP, SIP, MIP, RTCP, RTSP, ...) in mobile environment • Writing architecture and functional specification documents • Interacting with technical experts and converging to technical solution for implementation. **(Job Code: ETE003).**

MAC Layer (Engineer/Sr. Engineer/Team Leader)

Experience: 2-8 years. **Knowledge of:** • Mobile Network Architecture (GSM/UMTS/CDMA, 3GPP/3GPP2) • WIMAX Forum activities (PHY/MAC) and IEEE 802.16d/e standards, • Real-time processing, network processor units (RT Linux, micro-code) • Specification, simulation, design, development and testing. **(Job Code: MAC004).**

MIMO Library (Engineer/Sr. Engineer/Team Leader)

Experience: 2-6 years. **Knowledge of:** • Wireless Development (OFDM) • IEEE 802.16d/e (PHY/MAC) • DSP programming, experience in ClearCase • Specification, simulation, design, development and testing. **(Job Code: MIM005).**

Project Manager - Industrialisation

Experience: 5-12 years. **Skills:** • Consumer and wireless product industrialisation and manufacturing • Automated tool developments • HW/SW and mechanical knowledge • Industrial quality processes • Links with EMS or CEM • Interpersonal and communication skills • Subcontracting management. **Role:** • Industrialisation of the product • Interface between R&D team, EMS and prototype maker • Involved in product specification • Specification and coordination of industrial test tool development • Cabling and assembly process with the EMS • Coordination of test tool duplication and assembly line deployment • Coordination of procurements • Plan different product assembly batches with EMS and prototype maker • Quality control policies establishment with EMS • Cost Control of subcontracted batches and services. **(Job Code: PMI006).**

Industrial Test Developer

Experience: 5-12 years. **Skills:** • Consumer product industrialisation and manufacturing • RF industrial testing • SW and HW development knowledge • Links with EMS or CEM. **Role:** • Design and develop necessary tools to test the product • Involved in product specification • Conception and development of test software used to drive the product • Specify HW and mechanical tools needed for the test, follow up of the developments made with the subcontractor • Test time optimisation and test coverage of the product • Coordination of test tool duplication and assembly line deployment. **(Job Code: ITD007).**

Qualifications: For all the above positions, you should be a B.E/B.Tech/M.E/M.Tech/MCA/M.Sc (CS) with minimum 65% marks.

If you are interested in working for this grand alliance, please send your resume to careers@carc.co.in mentioning the job code in the subject field.

**C-DOT ALCATEL
RESEARCH CENTER**