

Qualification & Special Skill Requirement

- 1) Minimum of a Bachelor's Degree in Electrical /Electronic Engineering with a Masters or PHD being an added advantage.
- 2) Must have a minimum of 5 years working experience in related field.
- 3) Experience in RF, Analog Circuits and/or Digital Circuits and/or Microprocessor hardware design. Knowledge in Antenna / EMC is an added advantage.
- 4) Able to operate test equipment such as Spectrum Analyzers, Network Analyzers, and Logic Analyzer.
- 5) Experience with EDA tools such as ADS will be an added advantage.
- 6) Strong analytical skills with a good knowledge of electronic components and systems.
- 7) Excellent interpersonal and communication skills.
- 8) Experience or have a keen interest in telecommunications standards such as WIMAX and WIFI is a plus.
- 9) Knowledge of CAD tools for schematic capture and PCB layout is an added advantage.

Job Description

- 1) Involved in definition and development of wireless broadband designs which meet performance, cost and schedule objectives and follow them through prototype and pilot phases
- 2) Be part of the development team which is responsible for the architecture, design and development of communication devices.
 - a. To research and evaluate various modules and reference design.
 - b. To design RF circuits such as receivers, transmitters and VCOs.
 - c. To design peripheral circuits such as Audio, LCD circuits.
 - d. To design Controller/Baseband circuitries.
 - e. To design BB-RF interface circuits such as ADC/DAC, differential to single ended converters.
 - f. To integrate the different circuits/modules into a fully functioning system.
- 3) Conduct feasibility studies, architecture reviews and project implementation on the various system implementations.
- 4) Perform design and system verification using the appropriate EDA tools and equipments to ensure they comply with internal and international specifications.
- 5) Responsible for schematic capture, PCB Layout, Gerber files and BOM management.
- 6) Components, circuits and system level debugging and troubleshooting.
- 7) Ensure proper documentation of design specifications and other support documentation required for testing, part procurement, manufacturing etc.