

Job Title: Analog Design Engineer / Lead

Location: Location: Bengaluru/Bhubaneswar/Ranchi

Experience: 5 - 10 Years

Technical Requirements:

- **Analog Circuit Design:** Strong expertise in designing and simulating analog circuits such as amplifiers, ADCs/DACs, voltage regulators, PLLs, and other mixed-signal components.
- **Tools & Methodologies:** Proficient in using EDA tools for schematic capture, circuit simulation (e.g., SPICE), layout, and post-layout verification.
- **Layout Techniques:** Deep understanding of analog layout techniques, including matching, noise reduction, and parasitic minimization.
- **Design for Performance:** Experience in optimizing designs for low power, high speed, and area efficiency.
- **Process Knowledge:** Familiarity with CMOS process technology, including the impact of process variations on analog performance.
- **Verification & Validation:** Skilled in analog/mixed-signal verification methodologies, including behavioral modeling and corner case analysis.
- **Tape-Out Experience:** Experience with silicon validation and characterization, including working through tape-out processes.

Expectations from the Role:

- **Problem-Solving:** Strong analytical and problem-solving skills, with the ability to troubleshoot complex circuit issues.
- **Collaboration:** Effective communication and teamwork skills, with the ability to collaborate with digital and layout teams.
- **Attention to Detail:** High attention to detail to ensure design accuracy and performance.
- **Innovation:** Ability to innovate and optimize designs within the constraints of the process technology.
- **Project Management:** Ability to manage multiple tasks and projects, ensuring timely delivery of high-quality designs.