

Physical Design Engineer

Primary Responsibility:

- Takes a leading role in the development of Mixed Signal blocks.
- Layout development include Floor-planning, Power and Signal routing depending on the module constraints, verifications specific to customer and tapeout.
- Mentor junior layout engineers and make project successful.
- Responsible for on-time delivery and quality of Layout.

Experience:

- Experience in the analog layout in multiple process nodes is a plus.
- Good understanding of Virtuoso/ L Edit or similar layout development tools
- Sound Knowledge of post fabrication layout fixing procedures
- Exposure to analog sub blocks layouts and design trade offs
- Strong understanding of layout verification flows, scripts, debugging and fixing layouts in verification phase and complete knowledge of essential checks to be cleared in layouts for deep sub micron geometries
- Sound knowledge of handling antenna effects, electro-migration, IR drop, Design for manufacturability and clearing DRC, ERC & LVS, etc.
- Experience in design issues and clearing checklists for tape out to state of art foundries
- Hands on experience on automation using either SKILL or TCL.

Other Characteristics:

- Be able to work in a start-up environment.
- Should have enthusiasm to learn and share knowledge.
- Strong written and verbal communication skills.
- Highly developed interpersonal skills; builds strong relationships with customers and internal resources.
- Location will be Sankalp Kharagpur Center, West Bengal.