Lead Engineer - JD(DJD2021032)

Roles	Lead Engineer - FPGA Design
Responsibilities	•Meeting with design and engineering teams to determine FPGA requirements. •The role involves contributing to the entire FPGA based product development flow starting from requirement analysis till final product testing in lab environment. •The candidate will be responsible for architecture/micro-architecture design and implementation of the logic in VHDL for targeted FPGA, writing test benches to validate the design etc. • Troubleshooting and diagnosing errors and suggesting suitable repairs or modifications • Job involves frequent interaction with board design, software, testing and lab teams to deliver the product meeting the customer requirements. • Work closely with cross-functional team to achieve assigned project/activity targets within boundaries of Time, Cost and Quality •Conducting the internal/External design reviews to ensure adherence to the company design process. • Technical guidance to the junior engineers
Category	**Description**
Qualifications	BE/ in Electronics, Specialisation in VLSI and Embedded Design is a plus
Experience	6 to 9 years experience designing and implementing FPGA based solution in Xilinx or Altera FPGA, preferably FPGA based product development experience, executing projects in Defence / Industrial , Rail , Healthcare, Retail Automation, etc. in Electronic Domain
	• Generation of FPGA requirements document and FPGA design documents • Design architecture for FPGA based solutions. • VHDL, Verilog based RTL design and Development
	• VHDL, Verilog based Verification and Validation, Testbench creations .
	• Knowledge of Xilinx ISE, Vivado, Intel/Altera Quartus & Lattice diamond tools.

Technical & Process Capabilities	• Should have worked on PCIe, DDR4, DDR3, Video protocols (HD,SD & Parallel Video processing), ADC, DAC, USB & Ethernet based design experience. • Should have worked on UART, I2C, SPI & Parallel memory interface designs. • Should have knowledge on CLOCK DOMAIN CROSSING DESIGN, STA (Static Timing Analysis) & Debug techniques. • experience in board level testing and system debugging • Should have strong problem solving and debugging skills
Behavioural	Collaborative , Capable to interact / interface with customers, cross funcitonal team
	Self driven
	Excellent Communicaiton, verbal & written
	Passionate & Learning ability
Values	Accountable & Responsible Ethics & Integrity, Knowledge, Collaboration, Caring, Agility, Empowerment with Accountability and Sustainability
Preferred Experience, Knowledge & Attributes	Defence, Industrial , Allied domain Knowledge
	Solution / system engg capabilities
Compensation	To be filled by HR