

	Job Description		Format No:HR_F _160 Version:
Sr. Engineer (hardware Design) - JD (DJD2021032)			
Roles	Hardware design Engineer		
Responsibilities	•Meeting with design and engineering teams to determine hardware requirements.		
	•Collaborating with software engineers to ensure software compatibility and integration with the hardware		
	• Testing hardware prototypes and analysing and interpreting performance data		
	• Troubleshooting and diagnosing errors and suggesting suitable repairs or modifications		
	• Keeping up to date with the latest advancements in computer technology and design trends.		
	• Work closely with cross-functional team to achieve assigned project/activity targets within boundaries of Time, Cost and Quality		
Category	Description		
Qualifications	BE (E&C, E&E)		
Experience	3 to 6 years’ experience in Electronics Engineering Design & Development, executing projects in Defence / Industrial , Rail , Healthcare, Retail Automation, etc. in Electronic Domain		
Technical & Process Capabilities	• Hands on experience on Analog, Digital, Mixed Signal circuit design, development		
	• ORCAD Schematic entry, layout review.		
	• Analog Circuit Simulation and Design		
	• Digital Electronic Designs based on Microcontroller, FPGA, Discrete & Analog IO Communication bus , Communication networks, SOC / SOM / ASICs , RF.		
	• Familiar with Electronic Hardware Design Processes, Tools, Design for Manufacturing, Suppliers, Test		
	• Good understanding of software languages and integration processes.		
	• Excellent diagnostic and problem-solving abilities.		
	• The ability to stay up-to-date with the latest advancements in technology and design.		
	• Reliability ,signal integrity ,Thermal management ,Simulations		
	• Familiar with Measuring instruments		
Behavioural	• Communication protocols SPI, UART, I2C, I2S, Bluetooth, USB, Ethernet		
	Collaborative , Capable to interact / interface with customers, cross functional team		
	Self-driven		
	Excellent Communication, verbal & written		
Values	Passionate & Learning ability		
	Accountable & Responsible		
Preferred Experience, Knowledge & Attributes	Ethics & Integrity, Knowledge, Collaboration, Caring, Agility, Empowerment with Accountability and Sustainability		
	Defence, Industrial , Allied domain Knowledge		
	Solution / system engg capabilities		
	Embedded Firmware & Software Development		
Compensation	Environmental & EMI/EMC stds, MIL-std-810, JSS 55555, MIL-STD-461, CE, FCC		