



Job Details for Engineer – Product Design & Prototyping

Job Location:	Pune	Job Code:	VC/SI/03
About the Company	<p>The Venture Center is a National award winning technology business incubator and leading inventive enterprises incubator that focuses on building science-based deep tech startups and also creating an innovation ecosystem to support innovators who use science and technology to deliver products and services with considerable socio-economic impact for society. The Venture Center is the trademark of Entrepreneurship Development Center, a not-for-profit company, based in Pune.</p> <p>For more information: http://www.venturecenter.co.in</p> <p>Protoshop is a prototyping facility at Venture Center providing services to the inventors and entrepreneurs to design and build their prototypes. http://www.protoshop.in/</p>		
<p>Summary: Protoshop is a prototyping facility at Venture Center providing services to inventors and entrepreneurs to design and build their prototypes. http://www.protoshop.in/</p> <p>Technical Skills:</p> <ul style="list-style-type: none"> • PCB Design and Layout: Create and design high-quality PCB layouts, adhering to industry standards and best practices. Collaborate with cross-functional teams to understand product requirements and translate them into efficient PCB designs. • Component Selection: Evaluate and select appropriate electronic components for the PCB design, considering factors such as performance, cost, availability, and obsolescence management. • Signal Integrity and EMI/EMC: Implement signal integrity principles and electromagnetic compatibility (EMC) guidelines to minimize signal interference and ensure optimal performance and compliance with regulatory standards. • Design Validation: Conduct design verification and simulation tests to identify and rectify potential issues early in the design process, ensuring reliability and adherence to specifications. • Prototyping and Testing: Work closely with hardware engineers to fabricate prototypes of the designed PCBs and perform thorough testing to validate functionality and performance. • Design Documentation: Maintain comprehensive and accurate documentation of PCB designs, including schematics, layout guidelines, bill of materials (BOM), and design changes. <p>Functional skills:</p> <ul style="list-style-type: none"> • Facility development and management of prototyping facility • Procurement , installation and maintenance of equipment • Planning and execution of various services that protoshop offers • Plan and arrange various training programs and workshops related to prototyping 			



Candidate Profile

- Degree in instrumentation, Electrical and Electronics (EEE), Electronics and Communication (EC) mechanical or mechatronics(BSc/MSc /BE/BTech)
- Minimum of 0-2 years' experience
- Comfortable with hand on making and prototyping

Employment Status

Full Time

General requirements and expectations from Venture Center employees:

- Venture Center is a non-profit organization with aims to benefit society by promoting entrepreneurs and start-ups. Thus, Venture Center seeks employees and consultants who have a strong interest and passion in seeing technology innovators, entrepreneurs and start-ups succeed, and have a strong "service" ethos.
- A strong feature of Venture Center jobs is the rich learning environment and opportunity provided to employees to experiment, take initiative and be creative. The work of most employees has visible impact which can be satisfying. All employees benefit from access to high quality facilities and work environments. Compensation packages can be flexible but are often conservative due to Venture Center's non-profit status.
- General requirements include: a) strong ethical standards and work ethics, b) comfort with computers, computer applications and internet, c) strong communication skills – spoken and written.