



Let's **Make** a Difference

About Symbiotic Tech

Symbiotic Tech aims to improve the quality of life for amputees by building intuitive, cost-effective assistive technology. Currently we are building a high-tech prosthetic arm for Upper-limb amputees.

Founded in 2019, Symbiotic Tech is a Start-up based in Chennai, India with a primary objective to make functional prosthetic available and affordable to everyone.

Symbiotic Tech's **mission** is to Disrupt the existing assistive technology landscape. We believe that accessibility is a fundamental right and work towards building technologies that enable differently abled people to achieve independence through innovation.

Our team researches, designs, and develops new technologies and hardware to make Intuitive and affordable assistive devices. Whether finding new ways to capture and sense the signals from the human body, advancing form factors, or improving interaction methods, our team is making people's lives better through technology.

Job – Summary

Product Design

1. Identify opportunities for new products
2. Analyse how a new product ties in with market needs and consumer preferences
3. Set design requirements based on briefs from internal teams and external partners
4. Research materials and technique
5. Sketch drafts on paper or digitally
6. Use 3D modelling software to design products and components
7. Produce prototypes and test functionality
8. Improve the design of existing products
9. Gather feedback from product users

Skill(s) required

SolidWorks - ANSYS - Autodesk Fusion 360 - Rapid Prototyping

Roles and Responsibilities

- Fulfilling tasks under short deadlines.
- Drive and implement designs with cross-functional teams independently.
- Work with suppliers and manufacturing to ensure end-to-end quality consumer products.
- Be responsible for understanding and resolving all reliability concerns for designs.
- Execute with leadership through all development phases.
- Design for technical depth and innovative ideas.
- Solve issues associated with the product development path using creativity and smart designs.
- Develop part and assembly drawings in accordance with applicable standards
- Create BOM, maintain the drawings and BOM revisions.
- Analysis of mechanical specification of materials between different standards.
- Researching and sourcing vendors - obtaining quotes, assessing capabilities
- Travel as required.

Desired Candidate Profile

Minimum qualifications:

- Bachelor's degree in Mechanical Engineering, Industrial Design, or Manufacturing or equivalent practical experience.
- 0-3 years of experience with consumer electronics.
- Experience with manufacturing processes including Plastic Injection Moulding, Sheet Metal, Extrusion, and Die Casting.
- Proficiency in AutoCAD, CATIA, SOLIDWORKS, Creo to create technical drawings
- Ability to speak and write in English fluently.

About the job

As a Mechanical Engineer you design and evaluate our products, identifying product requirements and contributing to research and project planning. You are responsible for designing and optimizing an architecture that will scale with Symbionic Tech's continued growth.

With your technical expertise, you lead and manage projects, develop product and process improvements, provide consultation to others and help facilitate training and development.

As a Product Design Engineer, you'll design consumer-focused assistive devices. You'll work on designing enclosures, mechanisms, connectors, and modules. You'll

work closely with cross-functional teams in operations, product, and hardware to define and deliver excellent products.

Role – Design Engineer

Industry Type – Assistive Tech Design and Manufacturing

Functional Area – Engineering Design, R&D

Employment Type – Full Time, Permanent

Role Category – Engineering Design

Education - UG: B. Tech / B.E. in Mechanical

Key Skills –

Assembly – Drawings – Bom – Design Engineering – Component Selection –
Production Planning – Manufacturing – Quality Control

We want our employees to grow with us.

Our base CTC is **2.5 – 3 L per annum.**

Additionally we also provide:

- Travel expense reimbursement.
 - ESOP (Employee stock options) *
 - Bonus**
- Increments in a timely fashion.

Perks –

Flexible work hours - Informal dress code - 5 days a week - Free snacks & beverages

Contact us – hr@thesymbionic.com