



## **Technical Assistant**

*We are seeking a Technical Assistant to join our manufacturing facility to operate and maintain to offer services to our clients. We have already set up a facility with multiple machines. MATTER Facility provides prototyping and pilot production facilities across all engineering domains.*

**Role:** Technical Assistant

**Positions Available:** 1

**Employment type:** Full time (Monday to Friday) 40 hours per week; Saturdays on-need basis

### **Roles and responsibilities:**

- Assisting in assembly and finishing during projects
- Workshop and fabrication maintenance
- Prototyping and manufacturing assist
- Building mock-ups (Digital & Physical)/ prototypes/scale down models
- Good knowledge on surface finishing and quality control/ checks
- Support in obtaining required finish according to the manufacturing processes like 3D printing, vacuum forming, milling, machining etc.,
- Perform sanding/ buffing, putty-paint thereby obtain finish meeting industry standards
- Ensure compliance to all safety procedures and prepare reports for all unsafe conditions in processes and ensure optimal use of all materials and equipment
- Inspect and measure finished products and compare them with requirements to determine if the process has been completed properly
- Maintains safe operations by adhering to safety procedures and regulations
- Maintain machines and ensure all tools and materials needed are on hand to ensure continuous production
- Understand specifications of the task at hand and the desired result through self-analysis and communication with the team
- Perform operations with minimal supervision
- Cater to vacuum thermoforming request, machine setup, operational assist and perform task
- Maintaining tools and inventory logbook
- Perform welding and soldering
- Post-processing FDM and SLA prints; printing log update
- Perform part packaging and delivery

### **Essential skills and aptitude:**

- Technical knowledge on rapid prototyping
- Sound knowledge on mould design for vacuum thermoforming
- Should be aware of different manufacturing process & materials selection
- Operation and utilization of power and hand tools
- Basic knowledge of computer skills - Google sheets and Google docs
- Able to work with good communication and professional conduct
- Good to have fabrication experience with wood, metal, plastics and composites



- Good working knowledge of industrial adhesives
- Background in Industrial Design, Engineering, Product Design, Architecture, Sculpture, Woodworking, Robotics or similar hands-on craft is preferred.

**Qualifications and educational background:**

- Diploma/ Degree in product design/Industrial design/Mechanical engineering
- Non-engineering backgrounds are also eligible based on the experience in manufacturing machines workshop responsibilities.

**Experience:**

- 0-2 years of experience

CV'S to be sent: Email Id : [hr.sid@iisc.ac.in](mailto:hr.sid@iisc.ac.in)