

Recruitment of Fab lab Engineer for JNTUH Technology Business Incubator (JTBI)

JNTUH Technology Business Incubator (JTBI) has established a state-of-the-art Makerspace to promote innovation, prototyping, product development, entrepreneurship, and industry-academia collaboration. The Makerspace serves startups, students, faculty, innovators, MSMEs, and industry partners by providing access to advanced prototyping technologies and engineering support.

Vacancy Position

Particular	Details
Position	Fab lab Engineer
Number of Positions	One (01)
Nature of Appointment	Contractual
Initial Tenure	One Year (extendable based on performance and project requirements)
Reporting To	Chief Executive Officer (CEO), JTBI/ Founder Director
Work Location	JTBI, JNTUH Campus, Hyderabad

Educational Qualification

Bachelor's Degree in Mechanical Engineering, Production Engineering, Manufacturing Engineering, Mechatronics, Industrial Engineering, Electrical Engineering, Electronics Engineering or equivalent.

Desirable Qualification

- Certification in CAD/CAM/Additive Manufacturing is added advantage
- Experience in Startup Ecosystem or Incubation Centres

Experience

- Minimum 2–5 years of relevant industrial or laboratory experience.
- Experience in operating Makerspace/Innovation Labs/Fabrication Labs/IDEA labs.
- Hands-on experience with additive manufacturing, CNC machining, laser cutting, electronics prototyping, embedded systems or digital fabrication tools.
- Experience in training students/startups is desirable.

Proposed Compensation

INR25000-30000 per month (taxes a applicable)

Recruitment Process

The recruitment shall be carried out through an open and transparent selection process comprising:

- Public advertisement on the JTBI website and relevant professional platforms.
- Shortlisting based on educational qualifications and experience.
- Technical assessment and/or practical demonstration.
- Personal interview before the duly constituted Selection Committee.
- Approval by the Competent Authority.

Job Description (JD)**Roles and Responsibilities****Technical Operations**

- Operate and maintain all Makerspace equipment.
- Support prototype design, fabrication and testing.
- Assist startups in developing Proof of Concept (PoC), MVPs and functional prototypes.
- Prepare manufacturing drawings and fabrication documentation.
- Maintain machine utilisation records.

Equipment Management

- Preventive and corrective maintenance.
- Calibration and servicing coordination.
- Spare parts and consumables management.
- Inventory control.

Startup Support

- Technical mentoring, Product realization support, Material selection, Design optimization, Manufacturing feasibility studies, Prototype costing.

Safety & Compliance

- Enforce laboratory safety procedures & Conduct equipment safety inspections.
- Ensure compliance with electrical and mechanical safety standards.
- Implement SOPs and risk mitigation measures.

Documentation

- Maintain equipment logbooks & Prepare monthly utilisation reports.
- Record project documentation, Maintain asset registers.
- Support Government project reporting.

Business Development Support

- Support consultancy projects & Assist in preparing technical proposals.
- Coordinate industry visits and demonstrations & Promote Makerspace services.

Desired Technical Skills

- CAD Software (SolidWorks, CATIA, Fusion 360 or AutoCAD) & Additive Manufacturing
- CNC Programming & Laser Cutting
- 3D Scanning & Reverse Engineering
- Basic Electronics & Arduino/Raspberry Pi
- Product Design & Engineering Drawing
- GD&T & Design for Manufacturing (DFM)

Preferred Certifications

- Additive Manufacturing | SolidWorks Professional | Autodesk Certified Professional
- CNC Programming | Lean Manufacturing | Six Sigma (Green Belt) | Project Management

Employment Type

Contractual (One Year), extendable based on performance, funding availability and organisational requirements.