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**The Hunar Foundation, Karachi,**  
**Pakistan**

Position Title: **"Instructor - "Digital Design, Manufacturing and Fabrication"**

**Job Responsibilities:**

- Applying knowledge of product design, fabrication, assembly, tooling, and materials
- Improve manufacturing efficiency by analyzing and planning work flows, space requirements, and equipment layouts
- Provide manufacturing decision-making information by calculating production, labor, and material costs; reviewing production schedules
- Develop design concepts as required including part modeling, detail drawings, and lead the activity to fabricate using in-house manufacturing and fabrication facilities and/or external manufacturers
- Keep equipment operational by coordinating maintenance and repair services
- Responsible for assisting in servicing multi-axis CNC machines, laser cutter, wire cutter, laser scanner, mills, lathes and manual machines
- Identify and organize tools, such as bits, and cutting tools
- Knowledge of basic hand tools and manual machines
- Evaluate manufacturing processes by designing and conducting research programs.
- Responsible for of Additive and Subtractive design and manufacturing
- Familiar with safety precautions within the workplace
- Identify and support continuous improvement projects
- Supervising, teaching, training and guiding other engineers, technicians and technologists
- Support performance measurement and documentation of fabrication and manufacturing processes
- Lead try out activities to validate new concepts, including necessary inspection requirements, test plans, and critical parameter and critical specification development.

### **Competencies & Skills:**

- Proficient level of knowledge in CAD & CAM
- Experienced with tolerance and sensitivity studies to validate design robustness
- Ability to work successfully within a team of students, staff and faculty members
- Strong work ethics and team-oriented focus with excellent interpersonal communication and presentation skills
- Experienced in authoring technical documentation to satisfy product development processes
- Experienced with standard sheet metal, machining, molding, powdered metal, and AM fabrication methods for production and prototype design fabrication
- Professional level of teaching and supervisory skills
- Must have hands-on experience in an additive/subtractive fabrication role, including the use of specialized classroom and maker space technologies and equipment
- Fresh graduate can be considered with strong theoretical and practical knowledge. Final year project (FYP) related to CAD/CAM and structural design and analysis of materials is a plus point

**Gender:**

No Preference

**Age:**

22 – 35 Years

**Minimum Education:**

BE/BS (Mechanical Engineering)

**Experience:**

1-2 Years of relevant industry.

**Salary Range:**

50,000 - 70,000

**Job Location:**

Korangi Creek, Karachi, Pakistan.

Interested candidates may send their updated resumes at **careers@hunarfoundation.org** latest by **June 05<sup>th</sup>, 2021**. Please mention the position in the subject line.

