

IQRA DIYAR
MECHANICAL CAD DESIGN ENGINEER

Rawalpindi, Pakistan
iqradiyar291@gmail.com
+923430537481

Objective

Biomedical Engineering graduate with R&D experience in mechanical design and fabrication, aiming for a Mechanical CAD Design Engineer role. Proficient in 3D CAD design, prototype development, and translating engineering concepts into manufacturable mechanical components.

Education

- Foundation University School and Sciences Technology** 2020-2024
BS Biomedical Engineering Technology
- Army Public School and College DHA1 phase 1 Islamabad** 2018-2020
Fsc Pre-medical
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Experience

- Revive Medical Technologies** August 2025 - Till now
Mechanical CAD design Engineer
Working in an R&D lab on design, development, and fabrication of mechanical components and prototypes.
- Rawalpindi institute of cardiology** 28 August 2023 - 28 December 2023
Supervised industrial training 1
Studied the basic purpose and functionality of medical devices. Provide technical support to the medical staff, service ,maintainance repairing and troubleshooting of equipments issues.
- Rawalpindi institute of cardiology** 26 February 2024 - 16 june 2024
Supervised industrial training 2
Ensures the medical devices and equipment are functioning properly. Did report writing and other documentation work.

Skills

- Prototyping
- 3D CAD designing
- Report writing and Technical documentation
- Printing (FDM and SLA)
- Good Communication and interpersonal skills .
- Molds designing for Silicone Casting
- Team work and collaboration
- Record keeping and file management
- Problem solving , quick thinking to handle situations.
- Troubleshooting and Calibration of medical equipments
- Microsoft word, Exel, PowerPoint.
- Medical devices design and maintenance.
- Good Time management and team-managment skills
- Ability to work under pressure
- Organization and administrative skills
- Technical and design skills
- adaptability and learning mindset

Projects

- BIPIT (wearable nausea support mask)
- Portable Vital signs Monitor

- 3 oriface spray bottle
- Silicone tube mold
- Nasal Canula
- 3D Mosque Model Using Autocad
- Nasal pillow mask with noise damping chamber
- Bicycle handle grip

Interests

- Books Reading
- Art and Craft
- Painting
- Fashion designing
- Hena Art