

MARIA NAYYAR

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EDUCATION

GHULAM ISHAQ KHAN INSTITUTE OF ENGINEERING SCIENCES AND TECHNOLOGY

Bachelor of Science: Material Engineering (Manufacturing)

2020 – 2024

DIVISIONAL PUBLIC SCHOOL & COLLEGE, SAHIWAL- PRE-ENGINEERING

GRADE: A1

2018 – 2020

DIVISIONAL PUBLIC SCHOOL & COLLEGE, SAHIWAL- MATRICULATION

GRADE: A1

2016 – 2018

PROFESSIONAL EXPERIENCE

SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS

Module Design Head

2021 – Present

- Managed 170+ participants in Photonics Pakistan 2022
- Events organization, lodging, and requisitions
- Manages many workshops related to optics and photonics throughout the year

PROJECTS

CASTING

- Performed sand casting, investment casting, die casting, and centrifugal casting.

FABRICATION OF ALLOYS BY ELECTRIC ARC FURNACE

- Fabrication of Equi-Atomic NiTi shape memory alloy.
- Fabrication of brass alloy.

HEAT TREATMENT

- Performed annealing, normalizing, quenching, and tempering on different materials.

METALLOGRAPHY

- Executed sectioning, mounting, grinding, polishing, and etching on different materials.

X-RAY DIFFRACTION

- Obtaining a diffraction pattern from a known material and phase analysis.

WELDING

- Gas Welding/Oxyacetylene Welding
- MIG – Gas Metal Arc Welding (GMAW)
- Stick – Shielded Metal Arc Welding (SMAW)
- TIG – Gas Tungsten Arc Welding (GTAW)
- Submerged Arc Welding (SAW)

SOLDERING AND BRAZING

- For joining dissimilar metals.

SKILLS

- Problem Solving
- Management
- MS Office
- Canva
- Creo
- Expert High-score