



Curriculum Vitae

Engr. IBNE AMIN **MECHANICAL ENGINEER**

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Iqama Status : Transferable

Driving License : Available

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■ ■ OVERVIEW

I endeavor to mingle my academic knowledge with practical skills and a lot of experience and ability offered to being a part of a renowned Engineering Corporation and while augmenting my interpersonal abilities and also to deliver a positive spark which I gain in experience on practical fields as well as theoretically

■ ■ MAJOR EDUCATION

Bachelor of Science in Mechanical Engineering (16 years Education)
University of Engineering and Technology, Taxila (Punjab, Pakistan)

Project Management (online)
Elearning College United Kingdom

■ ■ PROFESSIONAL EXPERIENCE

➤ **Company** : Water & Power Development Authority
Project : Power Generation
Designation : Design Engineer
Period : Oct 2020 to Jun 2023

■ ■ JOB DESCRIPTIONS

- Design upgrades to the safety systems for various manufacturing and test equipment
- Analyze, design and fabricate components and test fixtures required for testing the lethality and survivability of munitions items and components
- Analyzes project requirements and designs material handling systems and equipment
- Prepares general material handling equipment or product line equipment estimates
- Creates material handling drawings/documentation
- Provides technical assistance by phone and on-site customer support

- Creates/prepares maintenance and instruction manuals
- Preparation of Equipment layout and mechanical outline drawings for waste water and desalination
- Preparation of Piping Material specification and valve material specification as per project
- Cross checking of hydraulic calculation and hydraulic flow diagram during detail engineering
- Inspects materials, products, and work in progress for conformance to specifications, and adjusts process or assembly equipment to meet standards.
- Collects samples for testing, and computes findings.
- Reads dials and meters to verify functioning of equipment according to specifications.
- Analyzes and interprets blueprints, sample data, and other materials to determine, change, or measure specifications or inspection and testing procedures.
- Tests and measures finished products, components, or assemblies for functioning, operation, accuracy, or assembly to verify adherence to functional specifications.
- Observes and monitors production operations and equipment to ensure proper assembly of parts, or assists in testing and monitoring activities.
- Marks items for acceptance or rejection, records test results and inspection data, and compares findings with specifications to ensure conformance to standards.
- Confers with vendors and others regarding inspection results, recommends corrective procedures, and compiles reports of results, recommendations, and needed repairs.
- Supervises testing or drilling activities, and adjusts equipment to obtain sample fluids or to direct drilling.
- Operates or tends machinery and equipment, and uses hand tools.
- Fabricates, installs, positions, or connects components, parts, finished products, or instruments for testing or operational purposes.

➤ **Company** : Water & Power Development Authority
Project : Power Generation
Designation : **Associate Mechanical Engineer**
Period : May 2017 -Sep 2019,

JOB DESCRIPTIONS

- Analysis results reporting in written and oral formats
- Provide peer review for other analysts work products, including efforts at other corporate business locations

- Providing technical assessments of results and giving design guidance with specialized knowledge of mechanics of materials for orthotropic, hyper elastic, and elastic materials
- Heat Transfer and Fluids Flow
- General Design
- Design and development of refrigeration systems and components
- Work with design team in developing cost effective designs
- Executes and/or supports product, marketing and business strategies and roadmaps to enable achievement of regional Plan sales and profit objectives
- Responsible for the success of approved NPD programs (quality, cost, schedule, sell-in, sell-through, consumer satisfaction)
- Participation on cross-functional teams to execute the NPD plan
- Accountable as project and/or task manager for the planning, design, and construction of plumbing and fire protection systems on assigned projects.
- Meet established scope, budget, and delivery schedule for each assignment.
- Work directly with clients to determine needs and provide solutions and coordinate execution of projects with other disciplines and the project manager or program manager.
- Preparing technical reports including basis of design and system evaluations and technical specifications, construction cost estimates and design effort budgeting.
- Dismantling of bearing, Turbine guide bearing, leaked cooling coils of Generator and bearing, Turbo Air Vent valve, Servomotors etc
- Mechanical Run of Generating Unit after completing major overhaul.
- Process of Annual Preventive maintenance and monthly maintenance of generating unit

➤ **Company** : Arif Electric Store

Project : Construction

Designation : Resaving Supervisor

Period : Jul 2015- Aug 2016

JOB DESCRIPTIONS

- Designing and implementing work schedules for the electrical staff.
- Providing motivation and assistance when necessary.
- Inspecting and assessing the work done by the electrical staff.
- Reading and interpreting design schematics to ensure the proper installation of electrical systems.
- Troubleshooting major system failures and equipment malfunctions.
- Repairing and maintaining electrical equipment.

- Overseeing the purchasing and maintenance of the electrical equipment on-site.
- Ensuring the work is completed on schedule and to code.
- Maintaining a safe and clean work area.
- Consulting with builders, architects, and other workers on-site.

■ ■ CERTIFICATES



PEC: Pakistan Engineering Council,

▪ Reg No: **MECH/45367**



ISO 9001:2015: Risk Assessment & Management



TQM: Total Quality Management



TSM: Time & Stress Management

■ ■ SOFTWARE'S/COMPUTER SKILLS

AutoCAD	Revit	Creo Parametric	SolidWorks
ANSYS	ABAQUS	MATLAB	Proteus
Fusion 360	TIA Portal PLC	IN Touch HMI	MS Excel
MS Word	Power Point		

■ ■ LANGUAGE SKILLS

Languages	Speaking	Writing	Reading
English	Excellent	Excellent	Excellent
Urdu	Excellent	Excellent	Excellent
Arabic	Basic	Basic	Good
Pashto	Excellent	Excellent	Excellent

■ ■ GENERAL SKILLS

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|---------------------------|----------------------------------|
| • Team work | • Coordination |
| • Leadership | • System Analysis |
| • Negotiation | • Critical Thinking |
| • Communication | • Time Management |
| • Active Listening | • Operations Analysis |
| • Problem Solving | • Judgment and Decision Making |
| • Environmental Awareness | • Project Requirement Assessment |

■ ■ BIO DATA

Father Name : Amir Waris
Nationality : Pakistani
Religion : Islam