

CURRICULUM VITAE



MOHAMMAD IRSHAD ALI

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Passport no : K1404037

Visa status : Employment Visa

Valid UAE Driving License

CAREER OBJECTIVE:

To work as **Mechanical Engineer** in a meaningful new frontier that challenges my professional and intellectual ability that enables me to develop myself as a professional and permits scope for advancement and make career in the **Building Services** industry.

SUMMARY:

Mechanical Engineering with 6 years of experience in Design, Estimation, Supervision/Implementation of **HVAC** for Commercial, Residential Buildings .With expertise in HVAC for Office Buildings, Bank, Shopping mall and many others. Profound Knowledge of **Plumbing& Fire Protection** services in the residential & commercial buildings. Well versed with the preparation of drawings.

EDUCATION QUALIFICATION:

Masters of Engineering M.E-CAD/CAM from Muffakham jah College of Engineering and Technology (2014)-affiliated to Osmania University (OU) Hyderabad, India.

B-TECH Mechanical Engineering (ME) from JNTUH College of Engineering (2012) - affiliated to JNTU Hyderabad, India.

WORK EXPERIENCE:

COMPANY: Emirates Fire Fighting Equipment Factory LLC (FIREX)
Sharjah UAE
December 2018 to Till Date

Designation: Mechanical Engineer

Abu Dhabi, Sharjah and Ras Al Khaimah Civil Defence approved Mechanical Engineer

COMPANY: Al Arabia Fire Fighting Equipment Maintenance and Fix
December 2015 to July 2018

Designation: Site Engineer (Mechanical) (Hvac, Plumbing & Fire Fighting)

JOB RESPONSIBILITIES:

HVAC:

- Analysis of engineering specifications from the consultant.
- Prepare & submit material submittals for consultants/clients approval.
- Verify shop drawings based on tender drawings.
- Coordinating the shop drawing with other trades.
- Cooling load calculation after building survey using CARRIER and ASHRAE Standards by manual and by latest HVAC software.
- Calculation of blower CFM, air distribution duct design following SMACNA and DW142 Duct design codes, Selection of diffusers, grilles G.I Sheet etc.
- Erection /installation of All numerous equipment's Such as Chillers, Pumps, Air Handling Units, Packaged Units Ducting, Fan coil Units, Exhaust Fans, Kitchen Hoods, all types of valves and inspect the same for the conformance of specifications.
- Complete design work of ducting network with preparation of drawings with complete standards and site supervision for duct fabrication and installation with complete knowledge of SMACNA standards with all accessories using viz; Manual volume, Fire Dampers, Back Draft Dampers.

PLUMBING & FIRE FIGHTING:

- Design of Hot Water Systems.
- Design of Cold Water Systems.
- Design of Drainage System
- Storm water drain system
- Vent system design
- Estimation of minimum number of Plumbing Fixtures
- Sizing & selection of Water Storage Tanks.
- Sizing Plumbing Risers & Branches.
- Determination of Basic Design Circuit (B.D.C)
- Sizing Water Supply Systems for High Rise Buildings
- Pressure drop calculations using Hazen-Williams, Darcy-Weisbach Equation
- Pump Total Dynamic Head calculations
- Fire Sprinkler Systems - NFPA 13
- Design & Layout
- Fire Sprinkler Hydraulics-NFPA 20

TRAINING PROGRAMMES:

PG Diploma Course in **HVAC Design and Drafting** as per **ASHRAE**.

PG Diploma Course in **Plumbing Systems Design & Drafting** as per **IPC/ Fire Fighting** as per **NFPA**.

TECHNICAL SKILLS:

HAP, Block Load, Duct Sizing, Pipe Sizing, ELITE.
CATIA, Solidworks, Auto CAD .
MS- Office & Excellent Computer Knowledge.

STRENGTHS:

Good communicational and interpersonal skills.
Self-Motivated & Positive Attitude.
Interest in learning new aspects.
Adaptive to any kind of environment.
Ability to analyze a problem from various aspects and coming up with optimal solution

PERSONAL PROFILE

Date of Birth	: 10 th May 1990
Father's name	: Mohammad Hameed Ali
Language known	: English, Arabic, Urdu, Hindi, Telugu.
Gender	: Male
Nationality	: Indian
Passport no.	: K1404037

Declaration:

I assure that all the details mentioned above are true and appropriate as per my knowledge.

Date:
Place: Dubai

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