



MASHOOD ALI K

PERSONAL DETAIL

Mobile number: 0565803474

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Passport no: N2759033

DUBAI (VISIT VISA)

ENGLISH | MALAYALAM

D.O.B: 16/03/1996

CURRENT ADDRESS

Hamat super market building

Flat number: 1202

Al Nahda

Dubai

India. 670141

SOFTWARE SKILLS

. AutoCAD

. HAP

. McQuay Duct sizer

. McQuay Pipe sizer

. Plan swift

. Relux

. ASHRAE Duct fitting database

. CATIA

. MS OFFICE

OBJECTIVE

Seeking a fulltime position in a company that offers challenging job opportunity in Mechanical engineering, where I can improve my abilities in Mechanical design and MEP coordination, which provides an environment to share my skill with others so that I will be a part of success in that organization.

EXPERIENCE

- ❖ **" MEP ENGINEER" AT PROJEXON, KERALA**
NOV 2019-OCT 2020
- ❖ **"JUNIOR MEP ENGINEER" AT AMNEAR ENGINEER, KERALA**
AUG 2018-OCT 2019

Responsibilities Handled

- Reviewing Tender documents and preparing RFI for anomalies noticed.
- Quantity surveying of MEP services (HVAC, FIRE FIGHTING, PLUMBING) from tender drawings by manually and using PLANSWIFT software.
- Cost estimation for various projects like Hotels, Bank, Schools, Malls, Hospital, Flats etc.
- Cost comparison of various quotations and considering the material rates for Estimation.
- Value engineering to reduce the cost after checking the specification and drawings.
- BOQ preparation for Design projects and Tendering projects if the same is not received from the consultant.
- Design of HVAC, Firefighting , Plumbing systems for incomplete Tender drawings.
- Drafting of MEP services by AutoCAD
- Specification making after discussion with the senior members.
- Tender documents creation and reconciliation for Design projects.

PROFICIENCY MATRIX-ESTIMATION & DESIGN

- ❖ Heat Load Calculation by manually and using **HAP software**.
- ❖ Duct design by manually and using duct design software.
- ❖ Static pressure calculation for Ducts.
- ❖ Chilled water piping design as per ASHRAE standard.
- ❖ Energy analysis by manually and using HAP.
- ❖ Ventilation design as per **ASHRAE 62.1, 62.2** standards.
- ❖ Building exhaust, Kitchen ventilation, Kitchen hood, smoke exhaust, Stairwell pressurization design as per **ASHRAE 154, NFPA 96, NFPA 92A, NFPA 92B** standards.
- ❖ Domestic and Industrial water supply design as per **BS 6700** standard.
- ❖ Domestic and Industrial Drainage design as per **BS 8301** standard.
- ❖ Firefighting design as per **NFPA** standards.
- ❖ Sewage Treatment Plant (STP) design based on total site peak water flow.
- ❖ Hydraulic calculations and pump selection based on demand.
- ❖ Domestic pump design based on peak water demand.
- ❖ Mechanical design and drawing preparation for incomplete external tender drawings.
- ❖ Quantity takeoff and scheduling for External projects and In-house projects.
- ❖ Costing, value engineering and Cost comparison of various quotations from suppliers.

PROFESSIONAL PROFILE

Knowledge in “ Heat load calculation, Duct design, Ventilation and Exhaust design, chilled water piping design, Equipment selection, Energy analysis, ASHRAE standards, Plumbing design, BS standards, Firefighting design, NFPA standards, Hydraulic calculation, Estimation, BOQ preparation.

- ✓ Excellent relationship management with the ability to network with project members, consultants, contractors, suppliers, statutory agencies with consummate ease.
- ✓ Holds the distinction of MEP Design. Multitasking professional, adept at working in high pressure environments with strict deadlines and multiple deliverables.

ACADEMIC CREDENTIALS

2014-2018	B TECH in Mechanical Engineering, KANNUR University	79%
2012-2014	Higher Secondary Education, Sir Syed.H.S.School ,Kannur	93%
2011-2012	CBSE XTH , Royal English School ,Kannur	82%

CERTIFICATIONS

- **MEP Design and drafting with estimation from *STED* Council.**
- **ASNT LEVEL 2.**
- **1 month internship training on *AUTOCAD* from *CIPET*.**
- **5 day industrial training on quality Engineering & management from foreman training institute, *Bangalore*.**
- **Electric Solar vehicle championship ,*ESVC* certificate from *ISIE-INDIA*.**
- **Skilled *QAQC Engineer* from *KASE*.**
- **One day workshop on *Autodesk fusion 360*.**
- **Certification on latest trend in the field of solar energy.**
- **Certification on Interaction with successful Entrepreneurs.**

FINAL YEAR PROJECT

- **Design and fabrication of steering system for solar vehicle.**

DECLARATION

I hereby declare that the above furnished particulars are true and correct to the best of my knowledge and belief.

MASHOOD ALI K