SOHAIL

MEP|HVAC DESIGN|ASHRAE|SMACNA|HAP|DUCT DESIGN|REVIT|AUTO CAD|

Master’s in Mechanical Design Engineering and with a broad set of design skills applicable in the HVAC industry and roles. Having a progressive 3.5 years’ experience in HVAC field, and Teaching can deal with projects, assignments all over the world, performing well in high-pressure, competitive environments. An enthusiastic learner and achiever with a solid background in promoting good industry standards and services combined with outstanding academic results. Well-rounded, multilingual, culturally aware professional with a unique ability to relate to diverse populations with various backgrounds. Highly skilled in designing different projects like Schools, Universities, commercial, residential and high-rise buildings for clients and other stakeholders. Committed to improving life quality on the individual and social levels.

CORE COMPETENCIES AND ACHIEVEMENTS

Earned Master’s Degree in Mechanical Design Engineering from University of Pune and

Bachelors in Mechanical Engineering from Dr. B.A.M University Aurangabad India.

* Successful HVAC Designer. Succeeded as “HVAC design Engineer” in design calculations of Heat load, Ventilation, ESP, Auto CAD drafting for chilled water for different projects.
* Successful HVAC Application Engineer & Estimator Estimated the whole project requirements & selected equipments for offshore critical conditions where humidity control and cooling are far different from residential requirements.
* Keen Attention to Detail. Accurate, reliable, and diligent. Always complete projects/tasks within time schedules. Can handle any ongoing challenges. Excelled in academic research and teaching
* Dynamic Communicator. Being a teacher and trainer for Engineering students, thoroughly aware of academic technical knowledge and exposed to a variety of cultures. Fluent in English, Hindi, Marathi and proficient in Urdu.
* Systems Utilization and Technology Skills. Proficient use of Windows, well versed with MS Office Suite (Word, Excel, PowerPoint). Working knowledge of AUTO CAD and REVIT MEP.

PROFESSIONAL EXPERIENCE

HVAC DESIGN & ESTIMATION ENGINEER Aurangabad, India.

July 2017 – Dec 2019

* Heat Load calculations, Heat Loss calculations following ASHRAE Standards.
* Designing Energy efficient HVAC system with value engineering. Heat load calculations on Ms Excel, Pressure drop calculations, piping, ducting design etc.
* Air Distribution System by Velocity Reduction Method, Equal Friction Method and Static Regain Method following SMACNA Standards.
* Understanding the client requirement and coordinating with Architects and other consultants for designing of HVAC, as per client requirement and project intent.
* ESP Calculations for Fans & Blowers.
* Toilet & Kitchen Ventilation system Designing.
* Car Parking ventilation and fresh air system Designing.
* Head Loss calculation for Primary & Secondary Pump system.
* Selection of AHU’S, FCU’S, Exhaust Fan, etc.
* Preparation of Tender Documents includes GCC, SCC, Tech Specifications’ and Bill of Quantities.
* Guiding draftsmen to make detailed drawings including sections, ducting layout, piping layout, plant room detailing, equipment schedules etc.
* Scrutinizing all the drawings including coordination with other services and architectural requirements for quality and clarity.

Projects Handled:

* Commercial Centre building based in Chennai.,G+4 Air conditioning
* Hill Residency, Nagpur is a high rise building,G+6, Air conditioning
* One of the leading company office building in Mumbai ,G+0,Air conditioning
* Air conditioning and air cooling of Govt. treasury office Chandrapur
* BOHRA MASJID Jalgaon G+2, designing Air conditioning.
* Air conditioning for OT for noble health care Mumbai
* Air conditioning of show room of leading Air conditioning of show room of leading Jewelers in Nagpur Projects for Bidding
* Prepare submittals for AC equipments

Projects for Bidding

* Offshore HVAC system-Ship Container o -Selection of Equipment’s

o -Selection of Equipments DX AHU’s & ACCU’s o -Costing, Offer & Specification Compliance

* Sonatrach South West Field Algeria(Package Control building ,Main Substation, IB Substation) 400 TR

o -Heat Load calculation & Conceptual Design

o -Selection of Equipments DX AHU’s, ACCU’s & PAC Units o -Costing, Offer & Specification Compliance

* Duqm Project- Battery Rooms & Equipment Rooms (6.1 TR x 26 Nos.) o -Heat Load calculation & Conceptual Design

o -Selection of Equipments DX AHU’s & ACCU’s o -Costing, Offer & Specification Compliance

ASSISTANT PROFESSOR

Department of Mechanical Engineering, MIT Aurangabad India, July 2016 - June 2017

Teaching to SE, TE Engineering students

Department Training placement coordinator

Quality improvement and development of practical approach in students Subjects taught

Refrigeration and Air conditioning

Theory of machine

EDUCATION AND PROFESSIONAL TRAINING

Master of Engineering in Mechanical Design with from Dr.D.Y. Patil College of engineering Pimpri Pune. (CGPA 7.28) 2014

Bachelor of Engineering in Mechanical (B.E. Mechanical) from TPCT’s COE Osmanabad Affiliated to Dr. B.A.M. University Aurangabad. 2012

CAD/CAM/CAE Certification course from COE Pune. AutoCAD certification from Indo-German Tool room Aurangabad

PERSONAL BRIEF:

Gender

Male

Nationality

Indian

Date Of Birth

14-08-1990

Marital Status

Single

Languages

Email

I am available for an interview online through this Zoom Link <https://zoom.us/j/4532401292?pwd=SUlYVEdSeEpGaWN6ZndUaGEzK0FjUT09>

English, Urdu, Hindi, Marathi

Sohail-396880@gulfjobseeker.com