MOHANRAM

# Mechanical Engineer (HVAC)

6+ Years of India & Gulf Experience



PROFILE

* To establish myself as an Engineer in a company with motivating, competitive and learning environment where my technical and managerial expertise can be put to use.



PROFESSIONAL SUMMARY

* Mechanical Engineering with 6 years and 7 Months of experience in Mechanical (Heat Ventilation And Air Conditioning) Designing, and Drafting in Auto CAD, Project Execution, Process Enhancement, Inventory and Team Management.



ACADEMIC QUALIFICATION

* Bachelor’s Degree in Mechanical Engineering from Karpagam College of Engineering, Coimbatore affiliated by Anna University, Chennai in the year 2012.
* Diploma course in Mechanical Engineering from Dhanalakshmi Srinivasan Polytechnic College, Perambalur affiliated by Directorate of Technical Engineering in the year 2009



PROFESSIONAL EXPERIENCE

Job role: **Jr**. **HVAC Engineer.** Joining: **Nov 2017 to Present.**



PROJECT HANDLED

* + Harbour Creek - Dubai.
  + Al Tayar – Abu Dhabi.



* + Parsons Head Quarters – Abu Dhabi. JOB DESCRIPTION
    - Interacted with main contractor/ MEP contractors to meet deadlines & complete project on schedule.
    - Coordinated with both clients and contractors & certified the project’s compliance with requirements.
    - Checked shop drawings & advised consultants during review meeting to enact suitable changes or corrections.
    - Organized and spearheaded the coordination meetings with client, consultants, main contractor, & sub-contractors to resolve all issues.
    - Coordinated with consultants in order to obtain the fast approvals for RFIA.
    - Provided guidance to contractors in case of any issues with the supply management.
    - Guided the contractors for speedy completion of the project.
    - Checked the overall quality of the installations.
    - Prepared the project update and reported to client.
    - Worked in close coordination with client representatives.
    - Mentored new team members and provided job orientation training.
    - Benchmarked performance to competitors. Prepared off load Schedule, Schematic Drawings, BOQ and Floor plans layout with draughtsman Residential Buildings & Commercial Complex.
    - Attended Meeting with Project Management Consultants, Services consultants & Architects to arrive at the most compatible, economical and safe solution for the projects together with the Design Engineer.
    - Getting shop drawings approved.
    - Materials ordering by properly negotiating with suppliers involving supply chain.
    - Managed manpower at site, leading to timely completion of project including quality and safety site visits.
    - Checked and certified works bills on behalf of client.
    - Maintained the pro-rata progress invoicing.
    - Ensured quality control & assurance activitiesa
    - Followed up on timely procurements while efficiently managing the purchases

Job role: **Jr**. **Design & Site Engineer.** Joining **May 2015 to May 2017.** Work Experience: **2 years**



PROJECT HANDLED

* + Kannur International Airport (KIAL) - Kerala.
  + ITC – Guntur.
  + Adayar Cancer Institute – Chennai.
  + Arogya Bhavan – Bangalore.



* + Venkateshwara Hospital – Chennai.

JOB DESCRIPTION

* + - Executing the HVAC Projects as per the approved drawings & contract. Interaction with Client, Consultant, Main Contractor & other Sub-contractors for the successful completion of HVAC Projects.
    - Give more importance to complete the project with technical perfection.
    - Knowledge of concept in typical commercial and industrial HVAC systems & experience with performing HVAC load calculations, Air system design , Preparation of GFC drawing (Ducting, Plant Room, Ventilation

Layouts-Staircase pressurization, Lift well Pressurization, Car Park ventilation and Toilet ventilation, Piping layouts) in Auto CAD

* + - Prepare procedures, Pre-Qualification Documents (PQD), Method of statements, Field material approval submittals to align with the Clients requirements
    - Review and Verify Material and Equipment Technical Specifications (Mechanical), GFC Drawings for HVAC
    - Prepare Technical data submittals (TDS) to get approval from consultant
    - Drafted and designed ductwork and piping system, for construction and demolition
    - Created complete sets of drawing to be sent out for approval to consultant
    - Working knowledge of discipline software packages such as Trane, Carrier HAP, Kruger Fans Selection
    - Knowledge of the International Code, ASHRAE, NFPA and SMACNA Design Guidelines
    - Coordinate with site team and solving site related issues
    - Monitoring quality of each items supplied by the vendors. Verification and passing bills against items received
    - Constant follow up and coordination with the vendors/suppliers to ensure timely deliveries of the purchased materials/equipment’s to the site
    - Initiate erection inspection and pre-commissioning of planning
    - Ensures that the completed site work conforms to the technical specification, drawings, and satisfy the functioning and safety guidelines
    - Ensuring delivery of materials at stores/ sites for execution purposes
    - Responsible for Internal project inspections and internal discussion with client
    - Responsible to take actions and preventive measures to close NCRs

## Job role: Jr. Design & Site Engineer. Joining: Sep 2012 to April 2015. Work Experience: 2.7 years



PROJECT HANDLED

* + SRM University Villa – Chennai
  + SRM University Sonipat – Haryana
  + SRM University (hospital) – Chennai
  + Bannari Amman Institute – Erode
  + Tirumala Pal Dairy Milk – Chennai



JOB DESCRIPTION

* + Preparation of single line drawings (SLD) as per approved HVAC Heat load, piping drawing as per client requirements.
  + Drafted and designed ductwork and piping system, for construction and demolition.
  + Coordinate with site team and solving site related issues
  + Ensuring delivery of materials at stores/ sites for execution purposes
  + Coordinating with On-Site team for prompt completion of work
  + Responsible for Internal project inspections and internal discussion with client
  + Coordinate with client and Project Management Team (PMT) with regards to construction problem
  + Coordinating with Contractor and Sub Contractor team for speedy completion of work
  + Responsible to take actions and preventive measures to close NCRs.
  + Quality assurance for all works carried out by all sub-contractors.
  + Prepare the billing details.



TECHNICAL CERTIFICATION

* Certification in “HVAC Design, Installation and Maintenance” (Includes Plumbing and Firefighting Systems) from Dhanush Engineering Services, Hyderabad.



TECHNICAL SKILL

* Revit MEP, Auto Cad 2017, Solid works 2014, Pro-E, CATIA, MS-Word, MS-Excel



PERSONAL INFORAMTION

Date of Birth : 09/ Dec/1990

Marital Status : Single

Sex : Male

Languages : Tamil, Malayalam, Hindi and English.

Nationality : Indian

I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

## DATE:

**PLACE: (MOHANRAM)**