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)**