**CURRICULAM VITAE**

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| ASHFAAQ **E-mail**: ashfaaq.381849@2freemail.com  |  |

## EDUCATIONAL QUALIFICATION

* **B.TECH** in **Mechanical Engineering** from **JNTUH** in April 2014 with 72%.
* **Intermediate M.P.C.** from Board of Intermediate Education in July 2010 with 80%.
* **High school** Education in April 2008 with 60%.

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## WORK EXPERIENCE- 4 Years

* I worked as a HVAC ENGINEER in KG MECH CONSULTING AND

CONTRACTING COMPANY for 2 years.

* I worked as HVAC TRAINEE ENGINEER in National Contracting Engineers for 2 years.

## TECHNICAL SKILLS

* MEP
* Civil Plan Layouts Reading And Understanding
* Making Schedule
* Heat Load Form- E20
* AutoCAD – Expert Level
* McQuay Duct Sizer
* HAP Software
* MS Office
* MS word
* Internet & E-mail Applications
* CNC-MACHINING And Programming
* IMPLANT TRAINING at CITD Hyderabad.

## PROFESSIONAL SKILLS

* Having good and deep practical knowledge in MEP Designing , Drafting , Estimating

Procurement, Testing Q/A. Q/C And site Installation.

* Participated in robotics and aeromodelling workshop heldatAurobindo collegeof engineering and technology.
* I also have good leadership qualities with good communication skill.
* Good interpersonal skills.
* Good Analytical Ability and leadership quality.
* Enthusiastic to learn new concepts.

## Work Ability

* I can work as an MEP & HVAC Engineer.
* I can manage the site as well as project.
* Having good Experience and knowledge in MEP Designing , Drafting , Estimating

Procurement, Testing Q/A, Q/C,PlanningAnd site Installation.

## DUTIES AND JOB RESPONSIBILITIES

* Building Survey.
* Selection of GI sheets, supports and hangers, insulation for Duct, Grills, Diffusers and Dampers with estimation of GI sheets and all others accessories.
* Supervision and installation of (G.I Sheet) straight, round spiral (single skin and double skin) ducts. Volume, fire, smoke, motorized dampers. Sound attenuators and duct liners as per SMACNA and ASHRAE standards.
* Guiding to AutoCAD draftsman for preparation of Mechanical drawings for equipment and accessories as per site.
* with standard connections of chillers, pumps, AHU’s and FCU’s.
* Installation, termination and commissioning of mini split units ducted split units splits package air handling unit packaged units, chillers and chilled water pumps.
* Coordinate with other engineering disciplines regarding installation of Mechanical equipment and system on all aspects, during the works and make sure that electrical, plumbing and controls are installed properly to ensure conformation of the design with the requirement and job is completed in time.
* Installation of sprinkler in the required facility with M.S pipe for firefighting services.
* Preparing inspection reports for all equipments.
* Preparing for audit and reports daily, weekly, monthly and yearly.
* Maintenance and installation of Deluge systems, Wet valves, hose reel cabinet, hose yard cabinet, pillar hydrant, Butterfly valves and post indicator valves, strainer, non return valve, gate valves.
* Engineering, testing and commissioning of the Deluge systems and fire fighting systems.
* Carry out technical assessments for material and equipment being procured for company prepares technical documents including requisition, data sheets and material requirement etc.
* Prepare reports and participate in meeting clarification with consultants and design engineer to ensure the proposed materials complain with technical specification.
* Supervise, monitor and direct as issuing proper technical specification to worker.
* Having the knowledge of health and safety environment rule and procedure to processed work on site (job safety analysis, hot work permit, Pre-Start meeting weekly power tool inspection checklist).

**HVAC WORK ABILITY**

**PROFESSIONAL TRAINING DETAILS**

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✔HVAC System Types ✔Architectural Plan ✔Heat Load Calculation

✔Selection of Machines ✔Air Distribution System ✔ Duct Design

✔Drawing Detailing ✔AutoCAD Implementation ✔ Preparing Sections

✔Coordination w/t Systems ✔Project Planning/Tracking ✔ Work Flow Procedures

✔Static Pressure Calculation ✔ Pump Head Calculation ✔ Chilled Water Pipe Sizing

✔Installation Details ✔Pressure Test Procedures ✔ Testing & Commissioning

✔Estimation ✔ Preparing BOQ ✔ System Handover Process

**ELECTRICALWORK ABILITY**

**PROFESSIONAL TRAINING DETAILS**

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✔ Codes & Standards ✔ Load Calculation ✔ Transformer Sizing

✔ Diesel Generator Sizing ✔ Cable Sizing ✔ UPS & Battery Sizing

✔Drawing Detailing ✔AutoCAD Implementation ✔ Preparing Sections

✔Earthing Calculation ✔ Cable Tray Calculation ✔ Light Features

✔ Television ✔ Sensor System ✔ Detectors System

**PLUMBINGWORK ABILITY**

**PROFESSIONAL TRAINING DETAILS**

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**PROFESSIONAL TRAINING DETAILS**

✔Selection of Pumps✔Primary Pumps ✔ Secondary Pumps

✔Drawing Detailing ✔AutoCAD Implementation ✔ Draining System

✔Coordination w/t Systems ✔Project Planning/Tracking ✔ Work Flow Procedures

✔Static Pressure Calculation ✔ Pump Head Calculation ✔ Pipe Sizing

✔Installation Details ✔Pressure Test Procedures ✔ Testing & Commissioning

✔Estimation ✔ Preparing BOQ ✔ System Handover Process

**Designing Work Ability:**

**PROFESSIONAL TRAINING DETAILS**

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* Heat load calculation after building survey using CARRIER and ASHRAE standards by manuals and by latest HVAC ASHRAE E20 Form.
* To prepare the selection of machines like FCU’s, AHU’s, Chillers, Pumps etc, on the basis of Heat Load calculations from respective models like Blue Star, Voltas etc.
* Calculating the Duct Sizing according to the CFM by using Mcquay Software.
* Calculating the Pipe Sizing for the chilled water system according to the GPM.
* Preparing the Schematic drawing for the project HVAC System Ducting and Chilled Water piping.
* Preparing the Shop drawings for Ducting and Chilled water system.
* Short circuit &voltage drop calculation at each level of distribution.
* Selection of HT/LT switches gear based on breaking, making &short time capacity.
* Selection of HT/LT cables based on thermal, short circuit & voltage drop based.
* Design of fire-safety in substation, cable trenches & other parts of electrical system.
* Perform the tasks of developing,preparing and maintaining the budgets and schedules of project.
* Selection of plumbing equipments and draining fixtures.
* Pump head calculation after building survey using standard manuals and by latest Catalogue.
* Calculation of Total Dynamic Head ,Static Head ,Friction Head , Pressure Head And Velocity Head.
* Calculating the pipe sizing for the water system according to the GPM.
* Playing key role in preparing cost estimation of the projects
* Coordinating with staff to meet the budget and design schedule of project

**ADRESS**

* **Date of Birth :** 11-10-1993
* **Marital Status :**Single
* **Nationality :**Indian