

CURRICULUM VITAE

**MOHAMMED**

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**HVAC Engineer**

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| BRIEF OVERVIEW: |

Looking for a challenging and demanding position in a growth oriented MEP consulting organizations, where there is ample scope for individual and organizational growth.

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| SUMMARY: |

Having 3 Years of Experience in HVAC Industry with good analysis and design capability, good communication and interpersonal skills, proven individually in project management and worked with team of professionals.

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| EDUCATIONAL QUALIFICATION: |

* B.Tech [Mechanical] from Jawaharlal Nehru Technological University Hyderabad, India.

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| POSITION HELD: |

* HVAC Engineer in H&S Infra tech Solutions Pvt. Ltd.India from May 2014 to May 2017.

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| **PROJECTS HANDLED:** |

* **Hill Residency:** Installation of HVAC services in B+G+6, in Hyderabad ,India
* **Maruthi showroom:** Installation of VRF in B+G+2 building in Hyderabad, India.
* **Aishwarya Heights:** Installation of Mechanical Services in G+6 Residential apartments.

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| WORK EXPERIENCE: |

* Worked as **HVAC DESIGN ENGINEER** at **H&S Infra tech Solutions Pvt. Ltd**.**,** Hyderabad, India from May 2014 to May, 2017.
* Also worked on REVIT MEP at **SSI Aeration Pvt. Ltd.** and **Taiba Engineering Consultants**

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| JOB RESPONSIBILITIES in HVAC |

* Heat Load calculations, Heat Loss calculations following **ASHRAE** **Standards**.
* Air Distribution System by BETA software.
* ESP Calculations for Fans & Blowers.
* Toilet & Kitchen Ventilation system Designing.
* Stairwell pressurization system Designing.
* Car Parking ventilation and fresh air system Designing.
* Head Loss calculation for Primary & Secondary Pump system.
* Chilled water pumps, condenser water Pumps Selection and power calculation.
* Selection of Chillers, AHU’S, FCU’S, Exhaust Fan, Blower, Window Ac ,Cooling Tower, Desert Cooler and other Equipment’s.

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| RESPONSIBILITIES IN REVIT MEP |

* Worked as a MEP Designer Engineer.
* Preliminary planning based on Architectural drawings.
* Concept/Design discussions with the clients and Architects.
* Co-ordination with architectural and structural & all MEP work.
* Checking the weekly and monthly progress, dealing with consultant, reporting the project manager and to the project management team.
* Monitoring the sub contractor work progress, checking the quality of work as per specifications and approved drawings.

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| HVAC DESIGNING SOFTWARE SKILLS: |

* Hourly Analysis Program (HAP) For Heat Load Calculation.
* TOSHIBA Software for VRV pipe sizing.
* GENERAL FORM
* E-20 FORM
* Chilled Water Pipe Sizing by McQUAY Pipe Sizer
* Duct Sizing By McQUAY Duct Sizer
* CAREER PSYCHOMETRIC CHART ANALYSER
* BETA TERMINAL DEVICE SELECTOR (Diffusers, Grills, Louvers)
* Duct Designing
* Ventilation Calculations for Kitchen, Toilets and Car Parking Areas.
* External Static Pressure (ESP) Calculation for Blower Selection.

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| REVIT MEP DESIGNING SKILLS |

* Creating an MEP Project, Linking Projects, Creating and applying a view to Template,
* **Planning Mechanical System**:**-** Preparing Spaces, Creating Zones in different levels, Analyzing Heat and Cooling Load, creating Air Flow Schedule.
* **Designing Mechanical Air System:-** Placing Hosted and Non Hosted Air Terminals, Creating supply Air Systems, Creating Duct Work manually and Automatically.
* **Designing a Mechanical Piping System:-** Adding Mechanical Equipment , Creating a Piping System, Adding Pipe using Auto Or Manual Layout, Sizing Pipe, Adding Valves, Inspecting a System.
* **Designing a plumbing System:-**  Adding Sanitary Fixtures, Creating a Sanitary System, Refining the Sanitary Stack, Creating Cold Water System, Creating the Hot Water System.
* **Planning a Fire Protection System:** Specifying Pipe Setting, Determining Zone Requirement, Creating a Sprinkler Design Schedule.
* **Designing a fire Protection System:-**  Adding Sprinklers, Creating a piping System, Modifying Pipe Diameters.
* **Creating Documentation Views:-** Duplicating plan Views, Creating A plumbing Isometric Riser.
* **Working With Annotations and Dimensions:-** Creating Annotations, Creating Dimensions, Creating a Legend.

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| SOFTWARE SKILLS |

**Drafting Software:**

* AutoCAD 2000-2017, REVIT MEP.

**Operating Systems:**

* Windows 7, XP.

**Office Package:**

* MS Office 2010, 2007, 2003 (Word, Excel, PowerPoint)

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| **DECLARATION** |

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