

**CURRICULUM VITAE**

**MOHSIN**

B.Tech (Mechanical)

Email : mohsin-395008@2freemail.com

**HVAC MECHANICAL ENGINEER**

**OBJECTIVE**



Intended to build a career with leading corporate environment with committed, dedicated people, who will help me to explore myself, realize my potential, to work as a key player in changing and creative environment.

**ACADEMICS**



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| 2012 – 2016 | Bachelor in Technology with Mechanical Engineering from |
|  | Jawaharlal Nehru Technological University, Hyderabad, India. |
|  | ▪ | **Final Percentage 77.10 %** |  |
| 2010 – 2012 | Intermediate Examination (Class XI and XII) from |  |
|  | Geethanjali Junior College , Gajwel, India. |  |
|  | ▪ | **Final Percentage 92.6 %** |  |
| 2009 – 2010 | Secondary School Certificate (Class X) from | GDR |
|  | High School, India. |  |
|  | ▪ | **Final percentage 85 %** |  |

**CERTIFICATION**



* Diploma in QA/QC in HVAC (PECB CERTIFIED).
* Diploma in Designing and Draughting in HVAC (Govt. of India Certified).

**EXPERIENCE ( 2 years)**



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|  |  | (INDIA). |
| **Project** | : | L&T Hyderabad Metro Rail Limited |
| **Designation** | : | Project Engineer (on site) |
| **Duration** | : | Two Years (2016-2018) |
|  |  | (INDIA). |
| **Project** | : | Live Projects of Gulf Countries |
| **Designation** | : | Design Engineer |
| **Duration** | : | One Year (2018-2019) |

**Work Profile:**

* Ensure that all HVAC site activities are conducted under controlled conditions as per shop drawings, specifications and work plan.
* Ensure safe environments, control the use of material and avoid damages and waste, request material, tools and equipment needed for the projects.
* Maintaining records and archives to company standards.
* Responsible for daily report and preparation of bill of quantity of materials for projects.
* Co-ordination with planning & Engineering team for design aspect.
* Closely studying on commented drawings and comply the comments raised by the consultant preparation of drawings.
* Heat Load Calculation using ASHRAE Methods with proficiency software such as HAP and E20.
* Air Duct calculation and sizing using McQuay duct sizer and SMACNA.
* Air Terminal selection using BETA performance data program.
* ESP calculations for blower selection.
* Hydraulic calculations for chilled water pump selection.
* Chilled water pipe sizing using ASHRAE Methods and also using McQuay pipe sizer.
* Selection of AHU’s FCU’s and Chillers.
* Exhaust fan selection and coil selection.
* Designing ventilation system for Toilets, Kitchen and car parking.

**SKILLS SYNOPSIS**



**DESIGN AND TECHNICAL SKILLS:**

* Proficient in productivity tools like HAP, ELITE, TOSHIBA, ZAMIL, E-20 FORM, Mc-QUAY DUCT SIZER, Mc-QUAY PIPE SIZER, PSYCHROMETRIC CHART

ANALYSER, BETA TERMINAL DEVICE SELECTOR, CONVERTERS, AUTOCAD 2015, MS-OFFICE 2007.

* Capable of performing all design calculations like **heat load, duct design** etc.
* Experienced in **Chilled water pipe Design/ Sizing, Pump Head calculations**, **ESP** **calculations** for Fans & Blowers.
* Experienced in **designing of all exhaust system** like car parking exhaust, toilet exhaust and kitchen exhaust system.
* Analysis of HVAC system using Computational Fluid Dynamics (CFD).

**ACHIEVEMENTS**



* Successfully published an International Journal on Design and Analysis of different duct shapes and internal CFD analysis using Design Builder.
* Successfully cleared virtuals and got selected for BAJA 2k16 National Competition organised by BAJA SAE INDIA.
* Represented Medak District in Netball Tournament held at Kurnool,India.

**HOBBIES**



* Watching Cricket.
* Listening to Music.
* Following Current Affairs.

**PERSONAL DETAILS**



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| --- | --- | --- |
| DOB | : | 16-03-1994 |
| Marital Status | : | Single |
| Nationality | : | Indian |
| Languages Known | : | English, Urdu, Hindi & Telugu |
| Passport Validity | : | 21/10/2024 |
| Visit Visa Expiry | : | 21/01/2020 |
| **DECLARATION** |  |  |
|  |  |  |

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

Place : Dubai

Date :

MOHSIN