**CURRICULUM VITAE**

**Joyal**

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***OBJECTIVE:***

Seeking for a career opportunity to become a reputed professional in the field of Mechanical Engineering where my knowledge can be shared and enriched to grow professionally by strengthening my technical, analytical and project management skills while contributing my best.

***STRENGTHS:***

* Good observation skills in order to observe the things carefully.
* Ability to communicate fluently.
* Hard working and dedicated.
* Positive approach towards challenging task / assignment
* Motivated and goal oriented.

***PROFESSIONAL EXPERIENCE:***

Torque Engineering Consultants, Cochin, Kerala-India

***Mechanical (HVAC )Engineer*** *May 2014 – Feb 2017*

*Duties and Responsibilities*

* Involved in developing sustainable building services design on various projects like commercial, residential and mixed use projects.
* Heating/ Cooling load calculations following Carrier HAP (Hourly analysis Program), ASHRAE/ISHRAE hand book & software, building survey and preparation of load calculations in MS Excel.
* Selection of indoor and outdoor units according to calculated CFM and TR.
* Calculation of duct size using manual method and by using Mcquay duct sizer.
* Selection of diffuser, grill and gauge of GI sheet, calculation of number of G.I sheets required, selection of AHU after static pressure calculations.
* Guide draughts man in design and drafting all types of split A/C and preparation of duct layout with supply and return diffusers, duct grill, slot diffusers with flexible connections for multi-storey buildings.
* Estimation tendering and preparation of BOQ.
* Pipe sizing for chiller, pipe size calculation for chilled water circuit to AHU, cooling tower, calculation of pipe diameter by considering friction loss.
* Installation ,testing and commissioning of HVAC systems for residential, commercial and industrial buildings.

***TECHNICAL QUALIFICATIONS:***

Certified in **Revit MEP** and **Auto CAD** from Auto desk ATC

Certified in **HVAC Design** and Drafting

Certified in **QA/QC** Engineering (Govt. of India)

Certified in **Piping** and Pipeline Engineering (Govt. of India)

Certified in **NDT ASNT LEVEL-ll** (RT, UT, PT and MT)

***EDUCATIONAL QUALIFICATIONS:***

|  |  |  |  |
| --- | --- | --- | --- |
| ACADEMIC  | BOARD/ UNIVERSITY | YEAR | SCORE |
| B.Tech in Mechanical Engineering | Cochin University of Science and Technology (CUSAT) | 2014 | 77% |
| +2 | Central board of Secondary Education  | 2010 | 94% |
| 10th  | Central board of Secondary Education | 2008 | 86% |

***SOFTWARE PROFICIENCY:***

* C, C+
* Mc Quay Duct Sizer
* Autocad & Revit
* Carrier HAP
* Flow master
* MS Office

***PROJECTS DONE:***

* Design and fabrication of reverse gear in two wheeler for physically disabled people.

***INDUSTRIAL VISIT DONE:***

* EDCI-Ullunkal hydro power plant, Kerala
* Hindustan Petroleum Corporation limited, Cochin

***EXTRACURRICULAR ACTIVITIES:***

* Active participation in sports and arts
* Worked as a coordinator of college Tech fest Aaroh 11’ and Aaroh 12’

***ACHIEVMENTS:***

* School and Subject topper in +2.
* Received scholarships from CBSE.
* Grabbed several prizes at inter-school and college arts competitions for various events.

***PERSONAL SNAPSHOT:***

Nationality : Indian

Date of Birth : 07th November 1992

Gender : Male

Marital Status : Single

Language Known : English, Tamil, Hindi and Malayalam

**Visa Status : On Visit Visa, valid up to 5th June 2017**

***DECLARATION:***

 I hereby declare that all the above information conferred by me is true to the best of my knowledge and belief.