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| **SHAFEEQUE**  **MECHANICAL ENGINEER (MEP)** |

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| **PROFESSIONAL SUMMARY** |
| Adaptable, innovative and qualified Mechanical Design Engineer skilled in Revit MEP, AutoCAD, Carrier HAP and DuctSizer with **3 years** experience in building mechanical services. Offer high-caliber qualifications in planning, designing, and managing installation, operation and maintenance of HVAC & MEP systems. |

[**SHAFEEQUE.375280@2freemail.com**](mailto:SHAFEEQUE.375280@2freemail.com)

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| **PERSONAL PROFILE** |



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| **PROFESSIONAL EXPERIENCE:** |

* Worked as **MEP Design Engineer** at **REDD Engineers Consultancy**, Calicut

from April 4, 2017 to October 10, 2017.

* Worked as **MEP Engineer** at **Prime MEP Solutions**, Calicut

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| **Tourist Visa ::Valid Up**  **To 26th February 2018**  **Nationality: Indian.**  **Marital Status: Married.**  **Date of Birth: 26/05/1988.**  **Languages Known::**  English  Hindi  Malayalam  Tamil  Arabic |

from July 1, 2015 to March 6, 2017.

* Worked as **Project Assistant** at **Central Manufacturing Technology**

**Institute,** Bangalorefrom October 1, 2012 to June 31, 2013.

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| **EDUCATIONAL PROFILE:** |

1. **Master of Technology** in **Manufacturing Engineering** from **NITK**

(**National Institute of Technology Karnataka), Surathkal, India (2013).**

1. **Bachelor of Technology** in **Mechanical Engineering** from **Governmen**t

**Engineering College Calicut**, Kerala, India affiliated to **Calicut University**

in **2010** with First Class.

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| **ADDITIONAL QUALIFICATIONS::** |

1**. Diploma** in **MEP Design & Drafting [HVAC, Plumbing & Fire Fighting]**

from ***Prime MEP Training Academy***, Calicut Kerala, India.

2**. Certification Course** in **BIM (Building Information Modeling)**

from *REDD Engineers Institute,* Calicut, Kerala, India.

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| **TECHNICAL EXPERTISE :** |

**HVAC:**

* Developing the design concepts of HVAC systems for Commercial,

Residential and Industrial projects as per **ASHRAE** Standards.

* Cooling and Heating Load calculations using **HAP** and **E20** Form.
* Sizing and locating indoor and outdoor equipments **(DX / VRF).**
* Designing the **ventilation** system for the basement Car park /Toilets/kitchens.
* Duct System design using Equal Friction Method following **SMACNA**

Standards and selection of diffusers, grills using Mcquay software.

* Selection of **AHUs, FCUs, Chillers, Cooling Tower** and other Equipments.
* Chilled water piping design - sizing, layout and scheme along with associated

components.

* Pump head calculation and selection of Chilled water pumps.
* ESP Calculations for Fans & Blowers.

**FIRE FIGHTING:**

* Sprinkler System Design.
* Fire water Demand & Fire water tank Calculation following **NFPA** Standards.
* Main Pump, Diesel Operated Pump, Jockey pump and Booster Pumps Selection.
* Fire Hose Cabinet, Water Hydrant system, Smoke detector, Heat detector and Fire alarm Selection.
* FM 200(Waterless system) Designing and Fire Extinguisher Selection.

**PLUMBING:**

* Prepare detail layout plans for water supply and drainage systems for all residential and official buildings.
* Water supply and drainage pipe sizing, Over Head and Underground tank sizing basedon **NBC** and **IPC** standards.
* Calculation of garden water designing and fountain water pipe sizing designing.
* Calculation of Soak away pits, Dispersion Trenches, Strom water drainage and Manhole calculation.
* Sewage Treatment Plant design calculations.
* Good Knowledge with Dubai Municipality Regulations, **DEWA** Regulations, **UAE Fire Code**, GCC and International Standards for Building Service Systems Design.

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| **SOFTWARE SKILLS:** |

**MEP Design Software**

* **HAP**, E-20 Form, **BETA** Terminal Device Sizer, McQuay **Duct Sizer**, McQuay **Pipe Sizer,** Psychometric Chart Analyser.
* **Toshiba** Software for VRF Equipment Selection, MS Office.
* **ELITE Fire** Software for Sprinkler system Design, **FM200** Calculator.

**Drafting Software:**

* **AutoCAD, Unigraphics (NX.6.0), Solid Works, PRO/E.**
* **Revit 2016.**

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| **EMPLOYMENT ABSTRACT – MEP Design Engineer** |

Employers: **Prime MEP Solutions, Calicut & REDD Engineers Consultancy, Calicut.**

Designation: **MEP Design Engineer.**

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| **ROLES AND RESPONSIBILITIES::** |

* Designing of Complete HVAC, Plumbing, fire fighting and Drainage System for Buildings.
* Site Inspection and co-ordination of complete MEP Works.
* Material Approval as per Specification.
* Reviewing and approval of Workshop Drawings
* Having regular meeting with Client and Contractors for smooth running of the Project.
* Preparing submittals for getting Quotations for all MEP work.

**PROJECTS HANDLED**

* Malabar Avenue Auditorium , Calicut, India.
* Zealots Villas, Calicut, India.
* M-Square Movies, Ankamaly, India.
* AVK Habitat Kochi, India.