

**AJU**

MEP Design Engineer,

E-Mail : [aju-393024@2freemail.com](mailto:aju-393024@2freemail.com)

**OBJECTIVE**

To work in a meaningful and challenging position that enables me to develop myself as a professional and permits scope for advancement. To put my logics and creativity in every project the company takes and serves it for a longer duration as an **MEP Engineer**.

**WORK EXPERIENCES**

* **Worked as an MEP Engineer since May 2018 to March 2019**

**DESIGNING WORK ABILITY-MECHANICAL**

1. Calculation of **“heat load calculation”** using carrier HAP Software with ASHRAE standards.
2. Air Distribution **duct design** following SMACNA, Selection of Diffusers, Grilles G.I sheets etc.
3. To prepare the **selection of machines** like packaged units, **Fan coil Units**, **Air**

**handling Units**, **Chillers and Pumps** etc. on the basis of heat load calculation fromrespective models like YORK, CARRIER and TRANE.

1. **Calculation of chilled water pipe sizing** (Mc-Quay Software)o Calculation of **ventilation and pump.**

o The **static pressure calculation** for selection of AHU Fan capacity using Elite Software.

o Preparation of **shop Drawings** and **Design Drawings**.

o **Head loss calculation** for selection of Pumps in **water supply, firefighting and** **chilled Water**.

o Ability for **Estimation and Planning**.

**DESIGNING WORK ABILITY- ELECTRICAL**

1. Prepared **shop drawing** of lighting system with the help of Dialux Software for
2. Detailing of **panel board scheduling and balancing** with respect to the appropriate

load calculations.

1. **Selection of suitable cables**, **calculation of voltage drop** and various other designrequirement to make an economical and optimum design.
2. **Cable scheduling**, **cable tray designing**, installation and cable laying with detailso Maintained detailed documentation of these works.

o Prepared shop drawings for LC devices like smoke detectors, telephone and data systems

o Coordination of various MEP services with respect to the cable tray. o **Prepared single line diagrams**

o **Calculation of power factor** correction and selection of appropriate capacitor

**MAJOR PROJECTS HANDLED**

* **Administration building –Hafar Al – Batin**

Client

- KSA-Ministry of Defense, aviation and general inspection.

Contractor

- AL-MOWATIN international

Subcontractor - MEDAC Electro mechanical solutions, Calicut, Kerala. (Powered by AL-AWAD ETABLISHMENT for trading

* + contracting P O Box 87681, Riyadh-11652 KSA.)
* **Master Bakers Switz Group :**

Client

- Master Bakers Switz Group

Consultant

- DIMX AT

Contractor

- Jawdat Company, Riyadh, Tel.4031377

Subcontractor - MEDAC Electro mechanical solutions Calicut, Kerala. (Powered by AL-AWAD ETABLISHMENT for trading & Contracting P O Box 87681, Riyadh-11652 KSA.)

* **Construction of Administrative Building Armed Forces Hospital Program, Northern Region (Hafar Al Batin).**

Client

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AL AWAD ESTABLISHMENT for Trading and Contracting PO Box 87681, Riyadh-11652, KSA.

* **BAHC Villas Project, Sultan Bin Abdulaziz Humanitarian city, Riyadh, KSA**.

Client

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DAHEELKUM COMPANY ENGINEERING LTD. For Contracting and Maintenance, PO Box 87681, Riyadh-11652, KSA.

* **Worked as Service Engineer in Autograde International Pvt Ltd, Mammangalam, Ernakulam since October 2016 to May 2018.**

1. Worked in the field of Speed Governor and Vehicle Tracking System(VTS). o Provide feedback to the Manager concerning product performance encountered

in the field, and make recommendations for service improvements.

o Provide timely, detailed and accurate reports on service work performed,

product performance, and warranty liabilities to company expense and time allocation..

1. Support product engineer to improve product performance and new product development.
2. Develop tools and standards to improve work processes.
3. Design experiment, perform lab bench test and develop solutions to solve customer problems or to meet technical targets on prioritized projects.
4. Provide guidance to adjacent support team to assist in resolving of complex device issue and support them during the new fitment.
5. Develop and provide testing support for new product development and done
   1. Well maintained Customer Relation.

* **Worked as Site Engineer (Trainee) in Net Vision ,Trivandrum from February 2013 to December 2015.**

1. Installation and Commissioning of UPS, Solar, Battery.
2. Troubleshooting ,Maintenance and Execution of Power Electronics & Signaling Systems Of Emerson, Keltron and American Power Conversion
   1. Pvt Ltd and handing over to concerned customer upon successful

completion.

1. Perform material take-offs and prepares BOQ.
2. Worked with local, national codes and customer specification to ensure project installation.
3. Supervise electrical supervisors and foremen’s.
4. Delivered quality installation by closely monitoring the works.
5. Liaise with the client and consultants resolving all on-site and contractual problems.

**COMPUTER PROFFICIENCY**

1. AutoCAD
2. HAP Hourly Analysis Program o Elite Ductsizer

o McQuay Pipesizer o McQuay Duct Size o MS-Office

o Dialux o Revit

**ACADEMIC DETAILS**

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| **Course** | **School/** | **University/Board** | **Year of Passing** | **Percentage of** |  |
| **College** | **marks** |  |
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|  |  |  |  |  |  |
| **B.Tech (EEE)** | Mohandas |  |  |  |  |
| Engineering | University of Kerala | 2016 | GPA =6 |  |
|  |  |
|  | College |  |  |  |  |
| **Higher Secondary** | Sarvodaya | Board of | 2008 |  |  |
| Vidyalaya | Kerala | 75.83% |  |
|  |  |  |
|  |  |  |  |  |  |
|  | Sarvodaya | Board of |  |  |  |
| **SSLC** | Vidyalaya | 2006 | 82.89% |  |
| Kerala |  |
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**CERTIFICATIONS**

* AutoCAD Proffesional
* AutoCAD Electrical
* Revit MEP
* Building MEP System

**SEMINARS AND PROFESSIONAL TRAINING ATTENDED**

1. **Advanced Building Electrical Systems** Seminar-Dakheelkum Company LTD. ForEngineering, Contracting & Maintenance. August 2018.
2. **(HVAC)Heating ventilation & Air conditioning** Seminar-Dakheelkum CompanyLTD. For Engineering, Contracting & Maintenance. November 2018.
3. **Plumbing (Drainage & Water Supply)** Seminar-Dakheelkum Company LTD. ForEngineering, Contracting & Maintenance. November 2018.
4. **Fire Fighting** Seminar-Dakheelkum Company LTD. For Engineering, Contracting& Maintenance. May 2018.
5. **Advanced Excel & AutoCAD** Seminar-Dakheelkum Company LTD. ForEngineering, Contracting & Maintenance. November 2018.
6. **Medac Life Transformation** Programming- Medac Life Consultancy. December2018.

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|  | **PERSONAL DETAILS** |  |  |
|  |  |  |  |
| o | Nationality | : | Indian |
| o | Date of Birth | : | 29 March 1990 |
| o | Gender | : | Male |
| o | Marital Status | : | Single |
| o | Religion | : | Hindu |
| o | Hobbies | : | Travelling, Cooking |

**DECLARATION**

I **Aju Asokan** solemnly declare that the above furnished details regarding myself and my professional career are all true to the best of my knowledge and consciousness.

Place:

Date:

**Aju**

(Signature)