SHIHAB

Mechanical Engineer

Shihab.383354@2freemail.com

A Mechanical Engineer targeting for challenging & rewarding opportunities in **project engineering field** **within the mechanical services** area with an organization of high repute preferably in HVAC Industry **Location Preference:** UAE,Oman

**EXECUTIVE PROFILE**

A competent professional with over **3 years** of GCC experience in Design & and Execution of HVAC projects of hotels, residential buildings ,villas and Cold-rooms



Expertise in detailed designing of engineering drawings or models with all important sections including Ducting & Piping, AHU, motors , pumps, Chillers and other MEP units



Successfully Completed **25 Projects** At Various **Parts Of Oman** & **UAE** from 2015 to 2017



Performed **negotiations and procurement** with suppliers such as



**Electrolux, Foster, Bitzer, Gunter, Pentair**

Insightful knowledge of technologies like **AutoCAD, CATIA V5 &**



**ANYSIS, MS office**

Comprehensive knowledge of **GFRP tool** which helps in removal of burr & pits



Possess thorough knowledge of engineering standards



Team member of **CALTECH - SAINTGITS - Art center (USA) joint** **research programme**



Appeared in finals at TechTop National Level Technical Project organized by Mar Basalious College of Engineering in 2014



**PROFESSIONAL EXPERIENCE** **19th Jan 2015 till 12th Sept2017**

**Al Ansari Trading Enterprise LLC, Muscat, Oman as Project and Procurement Engineer**

**Key Result Areas:**

Engaged in managing ordering and post order processing activities which includes **Design Review, Heating, Cooling Load Calculation,**



**Pipe Routing, Pump Head Calculation, Duct Sizing & Airflow Routing**

**Developed & submitted HVAC drawings to the clients for project approvals**



Performed **negotiations and procurement** with suppliers such as **Electrolux, Foster, Bitzer, Gunter, Pentair**



Formulated & devised detailed engineering drawings with all important sections which includes **Ducting & Piping for operational excellence** Reviewed & understood the drawings & feasibility of the installation operations



Monitored & updated the work progress in accordance with bar chart Preparation of manpower requirements for pre-commissioning, commissioning and start-up and organization chart.



**Key Impact Areas**



**CA Design Reviewing**

**Operations Management**

**Feasibility Study**

**Safety Management**

**MEP management**

**Procurement**

**TIA**

**Certifications**



**Advanced Certificate Course in HVAC from Keltron Knowledge centre, Kottayam**

**IT Skills**



|  |  |  |
| --- | --- | --- |
| **MS Excel** | **Autocad** |  |
| **McQuay** | **ANYSYS 5** |  |
| **Ductsizer** |  |
|  |  |

**C++** **CATIA**

 Testing & Commissioning of Variable Frequency Drive (VFD) , Variable Air Volume(VAV), Chillers, Duct, Air Handling Units (AHU) , Fain Coil Units(FCU) , Staircase Pressurization Fan (SPF), Tunnel Exhaust Fan (TEF)

 Site commissioning team management, programming, commissioning & troubleshooting of Direct Digital Controllers.

 Site activities for installation

 Installing and managing Automation / Control modules & BMS (Building Management Systems).

 Carried out Inspection of HVAC Air Balancing system in Building Automation.

 Conducted FAT (Factory Acceptance Test) & SAT (Site Acceptance Test).

 Modify graphical representations used for Remote process monitoring and controls using HMI.

 Schedule & Execution of monthly Plant Preventive Maintenance (PPM) of MEP& BMS Systems through software’s.

 Proper Engineering Documentation for site construction, pre-commissioning, commissioning status.

 Well Experienced and knowledge in Overall functioning of MEP systems such as :

* Fire Alarm system operations
* Firefighting system operations
* Cooling tower & Chillers operations
* Firefighting system operations
* Electrical MEP
* HVAC systems
* Generators
* Automatic Doors
* Fire shutters and Fire curtains
* Air curtains

 BMS

**Projects Undertaken:**

Damac Project – Qatar



 Royal Oman Police Project

 Sheraton Oman

 Ibis Hotel – Sohar

 British Petroleum PDO Site - Khazzan

 German Embassy - Oman

 Royal Oman Police Project

 City Hotel - Muscat

 Crowne Plaza - OCEC

 Marriot Hotel – Muscat

 Cove Rotana – RAK

**Highlights:**

 Formulated and evaluated the engineering drawings along with the approvals

 Planned, executed and streamlined projects as per the scheduling designed/framed by the Operating Team

 Performed good interactions with European suppliers such as ELECTROLUX, FOSTER, BITZER, GUNTER, PENTAIR

 Entrusted with the responsibility of allocating the required resources at various project sites

 Escalate all sensitive and/ or complex facilities-related issues to the Manager, Facility Management to ensure that the issues are escalated quickly to enable the company to take appropriate measures to remedy the situation and / or provide appropriate solutions

 Work with nominated Facilities Management Company to ensure the building systems and infrastructure are prepared to install and operate equipment and provide building services in a safe, timely and effective manner

 Take initiative and provide inputs to the departments continuous improvement process  Keep adequate records of all maintenance related tasks, recreational facilities.

 Liaise with internal and external providers to obtain the best level of service for the company and ensure that preventive maintenance schedules are maintained



**EDUCATION & CREDENTIAL**

 B.Tech. in Mechanical Engineering & Management from Saintgits College of Engineering, Kottayam, Kerala, in 2014; secured **7.2** CGPA

 12th from Good Shephard Public School, Kottayam, Kerala in 2010; secured **81%**  10th from Good Shephard Public School, Kottayam, Kerala in 2008; secured **84%**

**ACADEMIC PROJECTS**

**Title**: Design of **Multi-Utility Wheel Chair**

 Successfully executed the fabrication of a wheelchair at reasonable cost for common people which could be used as Stretcher as well

 Fabricated with adjusting facility to 80cm. which was portable & durable **Title**: Design of Mechanical **Rubber Mat Punching Machine Location** : Pasedana , USA

Worked on a joint academic course: ‘**Product Design for Developing World’ by CALTECH Institute of**



**Technology**

 Successfully executed the fabrication of rubber mat punching machine for supporting the workers in mat industry

**SEMINAR**

Attended a seminar on ‘ **Removal of Burr & Pits using GFRP Tool on Small Gears**’



**EDUCATION TIMELINE**



|  |  |  |  |
| --- | --- | --- | --- |
|  | **2010** |  |  |
| **10th** | **12th** | **B.Tech.** |  |
| **Saintgits** |  |
| **Good Shephard** | **Good Shephard** | **College of** |  |
| **Public School** | **Public School** | **Engineering** |  |
| **2008** |  | **2010 - 2014** |  |
| **ACADEMIC ACHIEVEMENTS** |  |  |  |



 Secured 1st position at Caltech Institute of Technology for Rubber Mat Punching Machine and received an award for the same

 Awarded for developing a Multipurpose Wheel Chair



**PERSONAL DETAILS**

**Date of Birth:** 25th April 1991

**Languages Known:** English, Malayalam, Hindi, & Arabic

**Nationality:** Indian

**Marital Status:** Single