

ASWIN, M.Tech.

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**OBJECTIVES**: To pursue a position as a MEP Engineer in which I can utilize and build upon my current knowledge of modern engineering methods and to work for the simultaneous growth of my organization.

**CORE COMPETENCIES:**

* MEP Project Engineer
* Automotive Engineer
* Mechanical Engineer

**EDUCATION:**

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| --- | --- |
| Sastra University, Thanjavur. | 2011-16 |
| Mechanical Engineering and Automobile Engineering (Integrated) with CGPA 5.9 |
| Don Bosco higher secondary school, Thanjavur. | 2009-11 |
| Higher secondary with 90.0% |
| Don Bosco higher secondary school, Thanjavur. | 2008-09 |
| Secondary board with 84.8% |

**PROFESSIONAL EXPERIENCE:**

**ROLE:** MEP Engineer

**COMPANY:** One World Inc.

**TOTAL EXPERIENCE:** 18 October 2016 - 12 October 2018 (2 years)

**ROLES & RESPONSIBILITIES:**

**HVAC, Electrical, Plumbing and Firefighting design**

* Heat load calculation using HAP.
* ESP calculation, Stairwell and lift lobby pressurization.
* Pump head calculations and chilled water piping design.
* Transformer, diesel generators, feeders, circuit breakers sizing and calculations.
* Load scheduling and cable size calculations.
* Pump, pipes and sprinklers sizing and calculation for plumbing Services.
* Estimation and preparation of BOQ’s.

**Execution:**

* Expertise in managing swiftly ramping-up projects along with competent cross-functional skills & on time execution.
* Proficiency in analyzing various processes / applications and recommending process modifications to enhance operational efficiency.
* In-depth understanding of executing erection & commissioning activities involving resource planning, in-process inspection, fabrication, team building and co-ordination with internal/external departments.
* Excellent relationship management, communication skills with the capability to network with ease.

## MEP Revit & AutoCAD

* Preparation of MEP Building models using REVIT and CAD software.
* Modelling of firefighting services with victaulic type joints.
* Modelling of electrical cable trays and with necessary fittings and accessories.
* Modelling of plumbing services.
* Modelling, co-ordination & shop drawings on LOD standard up to LOD 400.
* Preparing schematics & isometric for MEP Services.
* Clash analysis and walkthrough.
* Preparing as-built drawings as per services installed in site condition and site markup.
* Prepared and Maintained drawings as per ISO/ BIM standards.
* Creating the Revit Families with Parameter.

**PROJECTS UNDERTAKEN:**

**HCG oncology Hospital, Mission Road, Bengaluru**

* Represented the company for project tendering.
* Design & build of staircase pressurization systems.

**Sumo Sangam, Bengaluru.**

* Heat load calculations of the building.
* AutoCAD drafting of HVAC systems.

**Bio Center, Tissue Culture Lab, Davanagere.**

* Heat load calculations for multiple lab space.
* AutoCAD drafting of HVAC systems.
* ACPH calculations for clean rooms.

**ETA Technopark, Chennai.**

* Design of HVAC systems for office spaces.

**Intel, Bengaluru.**

* Modeling and coordination of MEP systems using Revit MEP.

**ASTER CMI Hospital, Hebbal, Bengaluru.**

* Design & build of negative pressurization systems for burns ward zones.

**M G Diagnostics, Wilson garden, Bengaluru.**

* Design & build of plumbing and firefighting systems.

**Sumo Solitaire, Bengaluru.**

* Heat load calculations of the building.
* AutoCAD drafting of HVAC systems.

**Future Group Dakshin, Bengaluru.**

* Heat load calculations of the building.
* Design of HVAC systems.

**Leela Palace, Old Airport road, Bengaluru.**

* Retrofit and maintenance of HVAC systems.

**Hilite Mall, Thrissur**

* Heat load calculations of the building.
* Basement carpark ventilation.

**TECHNICAL CERTIFICATIONS:**

* Certified in **MEP** (HVAC, electrical, plumbing & firefighting)designing and drafting from Excel MEP Institute.
* Certified as **MEP System Design and Project Execution Engineer** by **IAPMO**
* Certified in **Revit MEP Modelling** from Excel MEP Institute.
* Certified in **IOSH Managing Safely** from Institute of Occupational Safety and Health, UK.
* Certified in **Fundamentals of Manufacturing** from Massachusetts Institute of Technology (MITX), USA.
* Certified in **Six Sigma Concepts** from Technical University of Munich (TUMX), Germany.
* Certified in **Operations Management** from Indian Institute of Management of Bengaluru (IIMBX), India.
* Certified in **Lean Production** from Technical University of Munich (TUMX), Germany.

**TECHNICAL SKILLS:**

* Designing Platform - HAP, McQuay Duct & Pipe Sizer
* Drafting - REVIT MEP, AutoCAD
* Project Management Tools – MS office tools
* 3D Modeling - REVIT MEP
* LATS-MultiV
* Pro-E (v.5) Simulation Software
* ANSYS (v.2014) Simulation Software

**SUBJECTS OF INTEREST:**

* Heating Ventilation and Air Conditioning
* MEP services in High Rise Buildings
* Modern Engineering and Manufacturing Techniques
* Internal Combustion Engines
* Automobile Technology

**PERSONAL DETAILS:**

GENDER : Male

LANGUAGES KNOWN : English, Tamil, Hindi (Beginner)

NATIONALITY : Indian

MARITAL STATUS : Single

DOB : 03-Mar-1994

NOTICE PERIOD : Immediate

CURRENT LOCATION : Dubai, UAE.

VISA STATUS : Visit