**Advin**

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Dubai, United Arab Emirates

**Objective:**

Seeking a challenging position as **Mechanical Engineer - MEP / HVAC** Engineer in a high quality engineering environment where my resourceful experience and academic skills will add value to organizational operations.

**Profile Summary:**

* MEP/HVAC Engineer with 3+ years of progressive experience.
* Professionally qualified with a Bachelor of Engineering (B.E. Mechanical).
* Good knowledge in AUTO CAD, CREO PARAMATRIC VERSION 2.0, RIVET &MEP software & proficient in MS Office suite.
* Good knowledge in NDT (non-destructive testing).
* Have proven problem solving, coordination and analytical skills.
* Can lead and manage a team for effective implementation of the systems.
* Flexibility and openness in daily work and ability to adapt quickly and aptly to changing strategies, procedures and methods.
* Young, energetic & enthusiastic and willing to learn new things.
* Ability to work autonomously & as a team player, with demonstrated strengths.
* Hard working and can work under pressure & meet deadlines.

**Working Experience:**

**MEP/HVAC Engineer** at Aghora Developers,Kollam, Kerala, India (Dec 2014 to Sept 2017)

**Work Responsibilities:**

* Worked on duct insulation,installation and indoor and outer unit installation.
* Handled proposal and planning detailed HVAC design as per ASHRAE codes, HVAC load calculation,ventilation calculation,ducting and piping layout,creating drawings,site supervision,co-ordination&field engineering.
* Heating /cooling load calculation following carrier E-20,ASHRAE/ISHRAE handbook &software. Selection of indoor and outdoor units according to calculated cfm and TR.
* Selection of diffuser and grill.
* Calculation of duct sizes,design and drafting of all types of ductablespliy ac and preparation of duct layout with supply and return diffusers,duct grill,slot diffusers with flexible connections for multi-storey buildings.
* Electrical load estimation,design as per international and local standards(medium and low voltage),NEC.
* Development of single line diagram and control schematics,electrical equipment selection sizing and protection(transformer,generator,motor,bus duct,and routing,short circuit calculation,voltage drop calculation,lighting and ilumination design.
* Providing guidance to prepare lighting layouts,power layouts,load schedule,single line diagram and the related engineering calculations like panel board circuits and main dirtribution board circuit breakers size selection.
* Involved in preparation of lighting design with architect engineer using DI-LUX software and producing lighting distribution based on LUX level scheme.
* Evaluated water supply and drainage systems of constructed buildings.
* Designed and implemented water supply layouts and schematics for new residences and commercial buildings.
* Supervised all CAD design works.
* Preparing raw materials as per required material specifications and drawing dimensions by using technical instruments.
* Periodically check the working process, by the way to provide continuous quality improvement and reduce the wastage.
* Check out the finished jobs as per standard by applying testing methods and records were updated for documentation purpose.
* Preparing reports and certification after finishing process.
* Ensure quality work and monitoring work progress.

**Quality Control Inspector** at Madras Engineering Industries Private Limited, Chennai (Aug 2014 – Nov 2014)

* Updating and testing technical specifications of machining equipments, Calibration checking for technical instruments and measuring gauges.

**Instruments Handled**:

* Vernier caliper.
* Micrometer.
* Height gauge.
* Height gauge used in 2D (TRIMOS).
* Profile projector
* Receiving, Line & Final inspection .
* All type of gauges
* Snap gauge
* Dial gauge
* Plug gauge etc
* Visual inspection and Quality documents also.

**Academic Qualification:**

* **B.E Mechanical Engineering** from Christ the king Engineering College,Coimbatore affiliated to Anna University.

**Technicalskills:**

* MS office packs.
* AUTO CAD,CREO PARAMATRIC VERSION 2.0,RIVET,MEP.
* Good knowledge in NDT (non-destructive testing)
* Good knowledge in MEP (mechanical,electrical,plumping).

**Personal Details:**

Date of Birth : 17.05.1993

Nationality : Indian

Marital Status : Single

Languages : Tamil, English

Visa Status : Visit visa