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Centre, Al Nahda, Sharjah, UAE

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ANTO SIBY

Skilled Mechanical Engineer with one year of experience as AutoCAD Instructor in a private Institute. Seeking to leverage my expertise as a Mechanical Engineer / Mechanical design Engineer.

Key skills and knowledge areas:

- Solid command of technologies, tools and best practices in designing mechanical equipment using AutoCAD, Solidworks and ANSYS Workbench and Fluent.
- Strong team collaboration skills and worked closely with team members to achieve engineering goals.

EXPERIENCE

- AutoCAD Instructor with great knowledge in:

Engineering drawings, Drafting basic geometry shapes in AutoCAD, Workspaces, Dimensioning, Tolerancing and table creation Techniques.

Hatching Techniques, Layer management, Drawing tools, Projection and views.

EDUCATION

B. Tech in Mechanical Engineering from APJ Abdul Kalam Technological University (2019)

CERTIFICATION

CADD CENTRE - Proficient in AutoCAD Mechanical (2020)

CADD CENTRE - Proficient in Solid works (2021)

CADD CENTRE - Proficient in ANSYS Workbench & Fluent (2021)

SOFTWARE SKILLS

AutoCAD Mechanical

- Profound knowledge of mechanical designs of different engine parts.

- In-depth knowledge of drafting methods, procedures, techniques, Layer management, Sheet metal drafting, Mechanical piping and HVAC symbols.
- Ability to develop drawings with minimal direction.
- Completed a project in universal coupling.

SolidWorks Mechanical

- Hands-on experience in SolidWorks part modeling features, Sheet metal, Assembly modeling, Surface modeling, Basic motion, Kinematic simulation Animation and GD & T rules.
- Created detailed designs, blueprints, and drawings using technical outlines for products.
- Designed a ball bearing for an industrial gear box.

ANSYS Workbench & Fluent

- Well informed in engineering concepts and possess profound knowledge in Ansys workbench, Finite element analysis (FEA), computational fluid dynamics (CFD).
- Knowledge on different Analysis systems.
- Familiarity with Analysis in Ansys workbench and fluent environment.

Advanced Microsoft Excel

- Imported and exported data from text files, saved queries, created pivot table and charts using worksheet data and external resources, modified pivot tables, sorted items, and group data.
- Ability to complete projects within required timeframe.
- Great knowledge in using Lookup formulas and formula auditings.

MY PROJECTS

Redesigning Transmission System of a Pulverizer unit to Improve the Transmission Efficiency

- Designed an Industrial Gear box with one input shaft and four output Shaft.
- Our design was mainly for small scale Pulverizer units.
- The new design helps to improve the transmission Efficiency, Reduced noise, Reduced maintenance cost and Additional charges.

Magnetic Chip Collecting Glove

- Magnetic Glove which can be used to collect chips for Lathe Machine. It works with the principle of Electromagnetism