

Opening/Offering Title: Draughtsman

- 1. Drawing Creation:**
 - Develop detailed piping and instrumentation diagrams (P&IDs) based on project specifications and requirements.
 - Create 2D and 3D drawings using Computer-Aided Design (CAD) software, such as AutoCAD or specialized piping design software.
- 2. Material Selection:**
 - Collaborate with engineers and project managers to understand project requirements, specifications, and materials needed for piping systems.
 - Select appropriate piping materials based on factors such as pressure, temperature, and the type of fluid being transported.
- 3. Compliance and Standards:**
 - Ensure that all drawings and designs comply with industry standards, codes, and regulations.
 - Stay up to date with relevant codes and standards to ensure that designs meet safety and quality requirements.
- 4. Coordination:**
 - Collaborate with other engineering disciplines, such as civil, structural, and mechanical engineers, to integrate piping systems into overall facility designs.
 - Work closely with drafters, designers, and other team members to ensure the accuracy and completeness of drawings.
- 5. Detailing and Documentation:**
 - Provide detailed documentation of piping designs, including specifications, materials lists, and installation instructions.
 - Create isometric drawings and orthographic projections to illustrate the layout and arrangement of piping systems.
- 6. Quality Control:**
 - Perform quality checks on drawings to ensure accuracy, consistency, and adherence to project standards.
 - Address and resolve any issues or discrepancies in the drawings.
- 7. Communication:**
 - Communicate effectively with project stakeholders, including engineers, project managers, and construction teams, to ensure a clear understanding of design requirements.
- 8. Revision and Updates:**
 - Revise and update drawings as necessary based on changes in project scope, design modifications, or feedback from project stakeholders.
- 9. Software Proficiency:**
 - Stay proficient in the use of CAD software and other relevant tools used in piping design.
- 10. Problem Solving:**
 - Identify and resolve design challenges or conflicts that may arise during the project.