

Job Notification Form, IIT Delhi

Company Overview

Name:	QuEST Global Engineering Services Pvt. Ltd
Website:	http://www.quest-global.com/
Company Type:	Core (Technical)
Description:	For more than 20 years, QuEST Global has been a trusted global product engineering and lifecycle services partner to many of the world's most recognized companies in the Aerospace & Defense, Automotive, Energy, Hi-Tech, Medical Devices, Rail and Semiconductor industries. With a presence in 13 countries, 54 global delivery centers and 11,250+ personnel, QuEST Global is at the forefront of the convergence of the mechanical, electronics, software and digital engineering innovations to engineer solutions for a safer, cleaner and sustainable world. QuEST Global's deep domain knowledge and digital expertise help its clients accelerate product development and innovation cycles, create alternate revenue streams, enhance consumer experience and make manufacturing processes and operations more efficient.

Job Details

Designation:	Senior Engineer
Type:	Core (Technical)
Place of Posting:	Any of the QuEST Offices in India
Job Details:	<p>We are looking for bright and talented students who will be key contributors for engineering best products and solutions for our customers.</p> <p>Major Industries to work with: Aerospace, Industrial & Power, Mobility (Rail/Automotive), Oil & Gas, Renewable Energy</p>

Roles and Responsibilities(Typical activities to be performed – Any of the following):

Design Engineer

- Concept and Detail Design – Component Design/ Machine Design
- System & Sub-System Design
- Design for 3D Production
- Advance trends in design
- Unified Engineering

Materials Engineer

- Materials & Process Design
- Composites
- Advanced materials selection
- Corrosion estimation

Integrity Engineer

- Integrity and Strength Analysis
- Fracture Mechanism (Crack propagation), Stress Analysis
- Process Equipment & Piping Stress Analysis
- Finite element analysis (FEA)
- Life Calculations

• Risk Based Equipment Strategies

Reliability Engineer (Mechanical/ Electrical)

- Reliability Engineering
- Reliability definition for New/ existing products
- Define Reliability Based Maintenance
- Conduct Risk Assessments/ FMECA
- Define Reliability Enhancement Strategies

Energy Studies Engineer (Renewables)

- Energy Conservation
- Net Zero
- Alternative Fuels
- Fuel Cells

Electrical Engineer

- Electrical Systems Engineering
- Creation of Bill of Materials & Cable schedules
- Conceptual, Detailed Engineering Design with Equipment Selection
- Hazardous area classification
- Power system Analysis
- Equipment Strategies development
- Maintenance Cost optimization and Reliability Techniques

Instrumentation & Controls

- Engineering for DCS, ESD, F&G, HMI, PLC, SCADA, VFD
- Calibration, Testing & Maintenance requirements of Instruments
- Conceptual, Detailed Engineering Design with Process knowledge
- Hazardous area classification, LOPA, PHA and SIL
- Application knowledge on Process Control system and Safety Instrumented Systems including selections
- Equipment Strategies development
- Fire and Gas Systems with Protection systems

Fluid Mechanics Engineer

- CFD Analysis
- Thermal Analysis

Manufacturing Engineer

- Manufacturing Engineering
- Digital Manufacturing

Chemical Engineer

- Preparation of Process Flow Diagram, P&ID
- HYSYS Simulations
- Calculations & Sizing
- Conceptual and Detailed Process Design for Projects (O & G, Water, Chemicals)
 - Set up scale-up and scale-down processes, including making appropriate changes, to equipment design and configuration
- Assess options for plant expansion or reconfiguration by developing and testing process simulation models (ASPEN, HYSIS, HTRI)
- Optimize production by analyzing processes and compiling debottleneck studies, investigate operating problems, analyze root causes and define mitigation plans
- Support in Process Safety Operations-develop safety programs for safe operations
- Participate in Process Hazard Analysis (PHA) and Process Safety Management (PSM) programs
- Identify opportunities for cost reductions, implement new ideas to support for safe & reliable operations

Controls Engineer

- Fundamentals of Gas Turbine, Steam Turbine or Combine Cycle power plant control Systems
- Design and development of new control systems
- Understanding in controls system operability studies including dynamic analysis, equipment modelling and failure modes analysis is

- Execute controls and simulation testing for the purpose of controls Verification
- Controls domain knowledge in Model based / Model predictive control or other advance controls strategies
- Understanding and ensuring compliance with relevant health and safety regulations and quality standards

Joining By: 1 July 2022

Salary Details

CTC: 750,000 INR Per Annum

Gross: 750,000 INR Per Annum

CTC Breakup: 700000 Fixed + 50000 Variable Pay

Bond: Yes

Selection Process

Resume Shortlist: No

Written Test: No

Online Test: Yes

Group Discussion: No

Medical Test: No

Personal Interview: Yes

No. of Rounds: 3 (Aptitude Test + Technical Interview + HR Interview)

No. of Offers: 7

Minimum CGPA: 6

Eligibility

Recruiting PHDs: No

Eligible Departments: M.Tech in Applied Optics, M.Tech in Atmospheric-Oceanic Science and Technology, M.Tech in Biomedical Engineering, M.Tech in Chemical Engineering, M.Tech in Communications Engineering, M.Tech in Computer Science & Engineering, M.Tech in Computer Technology, M.Tech in Construction Engineering & Management, M.Tech in Control & Automation, M.Tech in Energy & Environment

Technologies and Management, M.Tech in Energy Studies, M.Tech in Engineering Analysis & Design, M.Tech in Environmental Engineering & Management, M.Tech in Fibre Science & Technology, M.Tech in Geotechnical and Geoenvironmental Engineering, M.Tech in Industrial Engineering, M.Tech in Industrial Tribology & Maintenance Engineering, M.Tech in Instrument Technology, M.Tech in Integrated Electronics & Circuits, M.Tech in Materials Engineering, M.Tech in Mechanical Design, M.Tech in Molecular Engineering: Chemical Synthesis & Analysis, M.Tech in Optoelectronics & Optical Communication, M.Tech in Polymer Science & Technology, M.Tech in Polymer Science and Technology, M.Tech in Power Electronics, Electrical Machines & Drives, M.Tech in Power Systems, M.Tech in Production Engineering, M.Tech in Radio Frequency Design & Technology, M.Tech in Rock Engineering & Underground Structures, M.Tech in Solid State Materials, M.Tech in Structure Engineering, M.Tech in Telecommunication Technology & Management, M.Tech in Textile Chemical Processing, M.Tech in Textile Engineering, M.Tech in Thermal Engineering, M.Tech in Transportation Engineering, M.Tech in VLSI Design Tools & Technology, M.Tech in Water Resources Engineering, M.S.(R) in Applied Mechanics, M.S.(R) in Biochemical Engineering and Biotechnology, M.S.(R) in Biological Sciences, M.S.(R) in Telecommunication Technology and Management, M.S.(R) in Civil Engineering, M.S.(R) in Chemical Engineering, M.S.(R) in Computer Science & Engineering, M.S.(R) in Electrical Engineering, M.S.(R) in Sensors, Instrumentation and Cyber-physical System Engineering, M.S.(R) in Automotive Research and Tribology, M.S.(R) in VLSI Design Tools and Technology, M.S.(R) in Mechanical Engineering, M.S.(R) in Materials Science and Engineering, M.S.(R) in Information Technology