

Job Description for Electrical Engineering

Position Overview: As an Electrical Engineer at SCM Connexions Pvt Ltd, you will play a crucial role in designing, developing, and maintaining electrical systems and components. Your expertise will be vital in ensuring the safe and efficient operation of electrical equipment and systems used in our projects. You will collaborate with cross-functional teams, including mechanical engineers, project managers, and technicians, to deliver innovative solutions that meet industry standards and client requirements.

Responsibilities:

1. **Electrical System Design:** Design and develop electrical systems, components, and equipment for various projects, ensuring compliance with applicable codes, standards, and regulations.
2. **Circuit Analysis and Simulation:** Perform circuit analysis, simulation, and calculations to optimize electrical systems' performance, efficiency, and reliability.
3. **Prototyping and Testing:** Create prototypes and conduct thorough testing to evaluate the functionality, safety, and durability of electrical systems and components.
4. **Technical Documentation:** Prepare detailed technical documentation, including schematics, specifications, and user manuals, to effectively communicate design concepts and implementation guidelines.
5. **Collaboration:** Collaborate with interdisciplinary teams to integrate electrical systems with mechanical and software components, ensuring seamless functionality and compatibility.
6. **Project Management:** Participate in project planning and scheduling, ensuring timely delivery of electrical engineering milestones and tasks.
7. **Troubleshooting and Maintenance:** Troubleshoot electrical issues and provide effective solutions for existing systems, as well as support maintenance teams in diagnosing and resolving electrical faults.
8. **Cost and Resource Management:** Work closely with procurement and management teams to ensure optimal utilization of resources and adherence to project budgets.
9. **Quality Assurance:** Implement quality control measures to ensure the reliability and safety of electrical systems, complying with industry best practices.
10. **Innovation and Research:** Stay updated with the latest advancements in electrical engineering technology and trends to propose innovative solutions and improvements.

Requirements:

- Bachelor's degree in Electrical Engineering or a related field.
- Proficiency in using electrical design software, such as AutoCAD, MATLAB, and other simulation tools.
- Strong knowledge of electrical codes, standards, and regulations.

Excellent analytical and problem-solving skills to troubleshoot complex electrical issues.

- Effective communication skills to collaborate with cross-functional teams and convey technical information to non-technical stakeholders.
- Fluent English communication a must.
- Strong attention to detail and commitment to producing accurate and reliable work.
- Ability to work independently and as part of a team, managing multiple tasks and priorities effectively.
- Familiarity with project management principles and practices is advantageous.

We understand that as a fresher you might have not have all the relevant qualities and attributes as mentioned above. However this role would quickly have to mature to these descriptions as mentioned above.

SCM Connexions Pvt Ltd is an equal opportunity employer, and we welcome applicants from diverse backgrounds to join our team of passionate professionals. We are preferably looking for Female candidates for this role. If you are a highly motivated and talented Electrical Engineer looking to make a significant impact in the field, we encourage you to apply and contribute to our innovative projects. We are 4 year old Design and Engineering Company based in Faridabad Sector 28, and have our office in Baroda and Bhopal. We are working with multinational companies in Energy and Oil and Gas sector.

Note: The above job description is a general overview and may be subject to change as per the specific needs and requirements of the organization.