

Job Title: Engineer - Power Electronics Development

Location: [Trivandrum]

Job Description:

Position Overview: We are seeking a motivated and enthusiastic Engineer to join our Power Electronics Development team. This entry-level position is ideal for recent graduates with a solid foundation in basic electronics. The Engineer will support the development team in designing, testing, and optimizing power electronics products.

Key Responsibilities:

• **Support Design and Development:**

- Assist senior engineers in the design and development of power electronics products such as inverters and UPS systems.
- Help create and modify schematics and PCB layouts under guidance from experienced team members.

• **Prototyping and Testing:**

- Participate in building and testing prototypes to validate design concepts.
- Conduct basic tests and measurements on electronic circuits to ensure proper functionality.
- Record and analyse test data, and prepare reports on findings.

• **Documentation:**

- Help prepare and maintain technical documentation, including design specifications, test procedures, and user manuals.
- Ensure all documentation is accurate and up-to-date.

• **Component Sourcing and Management:**

- Assist in sourcing components and materials required for development projects.
- Manage inventory of electronic components and ensure availability for ongoing projects.

• **Troubleshooting and Support:**

- Provide support in troubleshooting and resolving technical issues during the development and testing phases.
- Assist in identifying and implementing improvements to enhance product performance.

- **Continuous Learning:**

- Stay updated with the latest developments in electronics and power electronics technology.
- Participate in training sessions and workshops to enhance technical skills and knowledge.

Qualifications:

- ITI, Diploma, Bachelor's degree in electrical engineering, Electronics Engineering, or a related field.
- Basic knowledge of electronics principles and components.
- Familiarity with CAD software for schematic capture and PCB design (e.g., Altium, OrCAD) is a plus.
- Understanding of basic testing and measurement equipment (e.g., multimeters, oscilloscopes).
- Strong analytical and problem-solving skills.
- Good communication and teamwork skills.
- Eagerness to learn and adapt in a fast-paced environment.