

Job Description

Position: - Senior Mechanical Design Engineer (Robotics)

Location: - Sanwer Road, Indore, Madhya Pradesh

Stipend: - 30k to 45k (in hand)

Experience: - 3+ Years

Position Overview:

We are seeking a highly skilled and experienced Design Engineer with expertise in mechatronics, mechanical engineering, and robotics. Your innovative mindset, technical proficiency, and problem-solving abilities will drive the success of our projects and help us deliver cutting-edge solutions to our clients.

Responsibilities:

1. Collaborate with cross-functional teams to conceptualize, design, and develop mechatronics, mechanical, and robotics systems that meet project requirements and customer specifications.
2. Conduct detailed research, analysis, and feasibility studies to identify optimal solutions, considering factors such as functionality, performance, cost, and manufacturing requirements.
3. Create and review technical specifications, system architectures, and engineering drawings, ensuring adherence to industry standards, safety regulations, and best practices.
4. Utilize computer-aided design (CAD) software and simulation tools to model and validate design concepts, evaluate system performance, and optimize designs for efficiency and reliability.
5. Develop detailed component and assembly designs, considering factors such as material selection, mechanical tolerances, and manufacturing processes.
6. Collaborate with teams to ensure the successful fabrication, assembly, and testing of prototypes and final products.
7. Participate in design reviews and provide technical guidance and support to junior engineers and team members.
8. Stay up-to-date with advancements in mechatronics, mechanical engineering, and robotics technologies, and contribute innovative ideas and insights to enhance our product offerings.

Qualifications & Skills:

1. bachelor's degree in mechanical engineering, Mechatronics, Robotics, or a related field.
2. Proficiency in CAD software (e.g., SolidWorks, Catia, Ansys, AutoCAD) for 3D modelling and engineering drawings.
3. Strong knowledge of mechatronics principles, mechanical design principles, and robotics concepts, including sensors, actuators, control systems, and kinematics.



4. Proficient in using engineering tools, software, and test equipment to evaluate and validate design concepts.
5. Excellent problem-solving skills and the ability to think critically to resolve complex design challenges.
6. Strong communication skills to effectively collaborate with cross-functional teams, suppliers, and clients.
7. Ability to manage multiple projects simultaneously, prioritize tasks, and meet project deadlines.

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