

Mechatronics Engineer

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Company: Eternal Robotics

Location: hyderabad

Category: other-general

Job Responsibilities: Develop innovative and efficient engineering systems for factory automation lines, ensuring integration of AI, ML, and computer vision technologies. Collaborate with cross-functional teams to gather requirements and translate them into robust architectural solutions. Identify and select appropriate electronics, sensors, actuators, and other components required for the defined system architecture. Evaluate, choose components, and prepare Bill of materials based on performance, cost effectiveness, and compatibility. Provide valuable insights into mechanical engineering aspects, contributing to the overall design and functionality of automation systems. Collaborate with Mechanical Engineers to ensure the harmony of mechanical and electronic components. Conduct comprehensive integration testing to validate the functionality and performance of the designed automation systems. Troubleshoot and resolve any issues identified during testing phases. Lead the deployment phase for hypervise projects, ensuring a smooth transition from testing to live production. Collaborate with on-site teams to address any deployment challenges and optimize system performance. Required qualification and

Experience: Bachelor's degree in Mechatronics Engineering, Robotics, or a related field. Master's degree is a plus. Min 2 years of experience in the relevant field. **Technical Skills:** Proficiency in CAD software for mechanical design. Strong knowledge on selection of electronics, sensors, actuators, and control systems. Experience with programming languages relevant to automation systems (e.g., PLC, SCADA, C++, Python). Proven experience in integration testing and deployment of automation projects. Familiarity with industry-standard testing methodologies and tools. Excellent communication skills to effectively collaborate with cross-

functional teams. Ability to convey complex technical concepts to non-technical stakeholders. Key Result Areas (KRAs): Timely and accurate development of innovative system architectures for factory automation lines. Efficient selection of electronics and components based on performance, cost, and compatibility. Seamless integration of mechanical and electronic components in collaboration with mechanical engineers. Successful planning and execution of integration testing phases with minimal issues. Smooth and successful deployment of hypervise projects within defined timelines. Key Performance Indicators (KPIs): No. of proposals shipped with efficient system architectures on time. Evaluation of cost-effectiveness and performance of selected components. Percentage of projects with successful integration testing and minimal post-testing issues. Percentage of hypervise projects deployed within agreed-upon timelines. Feedback from cross-functional teams and stakeholders on the effectiveness of the engineer's contributions

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