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mohammed Abdul Khader aziz biabani

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| **Objective** | To be able to utilize the knowledge already gained, in a responsible and proper manner resulting in a value add to the organization and to reach the apex of my career in the process.  Seeking for opportunity in Manufacturing, Design, Operations and Quality roles. |
| **Skills** | * Ability to interact with other engineering disciplines and good at sharing knowledge * Detailed knowledge of power electronics devices and modules for 100 hp – 1000 hp, 460 V variable speed drives * Good analytical ability and attention to detail * Good knowledge in designing hybrid power switching applications in low voltage switchgears * Strong grasp on power converter topologies and ability to select power converter architectures * Power Electronics and High Voltage knowledge (such as HVDC and FACTs applications, Variable-speed drives) * Good knowledge in designing power supplies and/or frequency converters * EMC knowledge, EMC test standards and methods, problem-solving ability * Demonstrate strong communication, interpersonal skills and the ability to work independently or in a team * Detailed knowledge of power conversion hardware |
| **Experience** | Hyderabad Instrumentation Transformers pvt ltc, HYDERABAD **April’2015 to May’2020**  **Manufacturing Engineer(Transformer)**   * Developing and assisting in performing test procedures for film capacitors (further work may include inductors, transformers, and motor windings) * Providing technical support for continuous improvement * Stays current with the latest mechanical design and thermal management technologies and applies knowledge to power conversion and protection applications * Implement development process continuous improvements to reduce waste and decrease process times * Work with cross functional team members to improve system modeling tools * Work as part of multi-functional development team to meet overall program goals * To perform a wide range of engineering work covering all stages of the project from bid to delivery   **A1 ACCURATE POWER SYSTEM PRIVATE LIMITED**  **May’2020 to November’2021**  **Production Manager(Power Electronics)**   * Work with multidisciplinary teams of design, test, and production engineers to create new power electronics hardware * Assist in the personal development of junior team members * Create and maintain schedules for development efforts * Perform computer-based component, circuit, and system simulation to prove out design performance and compliance with product specifications * Provide technical support for existing products and/or product improvement projects * Develops and manages the assigned sales staff's selling capabilities within an assigned geographic region. Monitors and maintains sales goals * Leader and active participant in a cross-functional product development environment * Work with program manager to control project costs and deliver project on time * Implement and perform validation tests and design-proving tests * Own technical reviews, support program manager on other reviews per NPI process, document design details into GE documentation system * Responsible for full product development cycles from concept design till the initial mass production * Work closely with supply chain for power electronics components * Proactively manage technical risks and communicates to stakeholders * Working with sourcing, quality and suppliers to ensure product cost and quality * High power / high voltage inverter design topologies * IGBT-based power modules technology evaluation, design, sizing, characterization and control * Power electronics components (e.g. power inductors, film capacitors, etc.) design and sizing * DC/DC converter design topologies * PCB layout design, circuit test and debug * Benchmarking high voltage inverters at vehicle, system in power electronics * 4+ years hands-on experience in high power inverters design and key components sizing * 4+ years Power electronics and motor control knowledge * 2+ years system modeling, simulation and magnetic design * Experiences in automotive product design and/or vehicle electrification would be a plus * Software tools used MATLAB, PSCAD, PROTEUS ISIS-SIMULATOR, AND SPICE simulator   **SERVOMAX INDIA PRIVATE LIMITED**  **November’2021 to August 2022**  **R & D Engineer (Power Electronics and Systems)**   * Working on advancement of the product * Lead or participate in R&D development activities within the organization * Prepare project funding requests for R&D activities * Conduct failure analysis and investigation of electronic failure or incidents * Create detailed SORs for testing and outsourcing of electronic manufacturing   **iRobotix**  **August’2022 to till date**  **Project Manager**   * Project Planning * Team Management * Scope and Change Management * Schedule and Time Management * Budget and Cost Management * Risk Management * Stakeholder Management * Quality Assurance * Reporting and Documentation * Leadership and Communication |
| **Education** | JNTU, HYDERABAD, ELECTRICAL and ELECTRONICS (EEE) Engineering Passed with 69 %(of 100%) in the year 2013.  **OSMANIA UNIVERSITY, POWER ELECTRONICS (M.TECH ) ENGINEERING**  Passed with 68% (of 100%) in the year 2015. |
| **Languages** | English,Hindi,Telugu and Urdu |