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| [**Balachandra.383900@2freemail.com**](mailto:Balachandra.383900@2freemail.com)    **BALACHANDAR** **Targeting assignments in Design Engineering / Product Design & Development with a leading organization of repute preferably in Gulf Countries** | |
| **Profile Summary**   * Highly skilled professional with **over 4 years** of expereince in  **Desing Engineering, Production Support and Product Design/ Development** * Skilled in managing design engineering operations involving Modelling, Detailing, Assembly & Surface Design for Tanzania Railways using CATIA V5 and CAD * Gained exposure in locomotive structural designs with Project Head, formulatingthe entire drawings for the whole locomotive for customers to go through in future for easy maintenance * Effective in liaising and networking with people across hierarchical levels for smooth task execution, and achievement of organizational goals * Hands-on experience in Rail Locomotive Technical Equipment like Engine, Compressor, Blower along with Deflection & Alignment like Engine to Compressor Shafts, Engine to Alternator and so on * Possess knowledge of Metal Fabrication Techniques, FEM Analysis, Rail Locomotive Technical Equipment’s like Engine, Compressor, Blower * Diligent communicator with strong relationship building& leadership skill and multi-tasking capabilities | **Core Competencies**    **- Design & Development**  **- Modelling & Drafting**  **- Structural Designing**  **- Project Execution**  **- Inspection & Audit**  **- Process Planning**  **- Quality Assurance**  **- CATIA V5 3D Design**  **- Product Design & Development**  **-Team Management**  **- Finalization of Accounts**  **Soft Skills**  Communicator**Collaborator**  Intuitive**Innovator**Thinker Analytical  **Motivator**  TeamBuilder |
| **Timeline**  Post Graduate Advance Diploma in Fire & Safety from International Fire & Safety Institute, Sivagangai    Crystal Technologies, Madurai as Draftsman  **2015**  **Since 2015**  **2014-2015**  SMH Rail SDN BHD, Malaysia as Design Engineer | |
| **Education & Credentials**   * Post Graduate Advance Diploma in Fire & Safety from International Fire & Safety Institute, Sivagangai in 2015 * BE (Mechanical) from Rajiv Gandhi Engineering College, Chennai, Anna University in 2014 | |
| **Professional Experience**  **Jun’15- till date**  **SMH Rail SDN BHD, Malaysia as Design Engineer**  **May’14 – May’15**  **Crystal Technologies, Madurai as Draftsman**  **Role:**   * Managing end-to-end product design & development including requirement analysis, finalizing specifications, design management, prototype development, testing, failure mode design analysis, field quality & field failure improvement, vendor management and quality management * Ascertaining overall operations for new products or improvement of existing products with thrust on reducing product cost and based on market trends / requirements * Supervising structural designing, 2D and 3D models by designing own using CATIA V5 & AutoCAD Versions * Working on the cost estimation of the part and project for feasibility and approval process * Preparing and executing the project development plan for all new models from different customers * Coordinating with product development / customization functions including requirement analysis, finalizing specifications, designing, prototype development and testing activities * Formulating the general arrangement drawing, assembly drawings and part drawings * Managing the solid and surface modelling projects in CATIA, GD&T, and so on * Steering sunctions like fabrication, operation, application, installation and repair of mechanical systems * Analysing& producing the technical requirements and specifications & recommending design modifications based on client requirements * Coordinate maintenance and repair activities to obtain optimum utilization of equipment like Engine, Expressor, Blower, and so on * Preparing presentations like customer design proposal and manuals to define feasibility of design or application * Maintaining technical documentation, reports in quality inspection & design and describing the specifications/usage of products   **Highlights:**   * Played a key role in re-manufacturing 16 no’s of old locomotive to new locomotive in new design * Experienced in managing projects with vital contribution towards assessment of latest technologies for design of high value products   **Projects Executed**   * Remanufacturing 88 Class Locomotives in Tanzania Railways Limited * Thermal Energy Storage Behavior of PCM using NANO Particles for Solar Water Heating System (UG Project)   **Training Attended**  **Title: Manufacturing the assembled Engines for Tractors and Cranes**  Organization: Simpson Private Limited  Duration: 1 Week  **Organization: EDAC Engineering, Chennai**  Duration: 3 Days  **Extracurricular Activities**   * Qualified as Semi-finalist in National Level Design Competition conducted by CADD Centre * Actively participated in: * Quiz Competition conducted by Madras School of Social Science * National level technical symposium organized by Jeppiaar Engineering College, Chennai * RIVIERA-10 organized by Vellore Institute of Technology, Vellore   **IT Skills**   * AutoCAD 2D& 3D Designing (All Versions) * CATIA V5 3D Design Software,Revit,Solidworks,Creo& Pro-E * MS Office, Operating Systems, Windows and other packages | |
| Personal Details  **Date of Birth:**17th March 1993  **Languages Known:**English, Tamil, Hindi and Swahili | |