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| E-mail:  **CURRICULUM VITAE**  **Balaji70717@gmail.com**  **Mobile No: +91 9940575204**    **Address**  Balaji.B,  S/o. S.Balaraman,  No, 142/2,13th street,  E.B Colony, Kalinjur,  Vellore-632006,  Tamil Nadu, India.  **Personal Data:**  **Date of Birth :** 20th March 1990  **Sex :** Male  **Nationality** **:** Indian **Marital Status:** Married **Father name :**S. Balaraman  **Passport**  **No** **:** **J8549017**  **Date of expiry** **: 06.12.2021**  **Languages Known:**  **To write :** English and  Tamil **To Speak :** English and  Tamil, Telugu  **Career Achievements**   * Kia Cylinder Block1.2 and 1.0-Leak rej reduced from 30% to 6% by modified the air vent & process optimization * Swing arm TVSM BMW –X-ray yield improved from 40% to 96% by optimized the process setting * G90 Daimler Front Housing-Machining casting rejection from 40% to 8% by process implement on squeeze timings * CCU & CCL TVSM BMW – Customer end leak rej reduction from 60% to 4.5% by optimized of process & Die temperature, Vacuum parameters * PSA-AVTECH CLUTCH &GEAR HSG – Customer end rej reduced from 40 % to 1% by optimized the process parameter and die temperature   .   * HR10 DET FORNTCOVER & OIL PAN in first trail itself full auto demonstrated with targeted cycle time 0s at 1450 tonnage hine * Cycle time reduction in cylinder block dies by optimize the Spray & Air time.   **Skills:**   1. Result oriented, with problem solving skills for rejection reduction 2. Thermal analysis for dies 3. Quality Control Circles. 4. Basic knowledge in GD&T   **Software Skills:**   1. CAD: AutoCAD. 2. MS Office. 3. Platforms using: SAP   Training Undergone   1. Buhler Machine Process Training at Uzwil 2. Successful completion of Brown Belt certification during the year 2017- 18. Project: TVSM BMW-CRANKCASE LOWER leak rej reduction at customer end   Notice Period: Three Month | Objective  To work with an organization, which utilizes my technical ability towards achieving the goals of an organization. I aspire for a career that would provide me challenging opportunities in quality management system, core technical field and for the development of my country.  Academic Qualification    **Mechanical Engineering, AMIE**  (Associate Member In Institute Of Engineering)  (Kolkata Distance education)  (Study in progress)  **Tool & Die Making, 2007 – 2010**  Nettur Technical Training Foundation (NTTF), Vellore  Percentage of Marks scored 70%.  12th Standard, 2006 - 2007  Don Bosco HSS, Katpadi  Percentage of Marks scored 72%.  10th Standard, 2004 - 2005  Don Bosco HSS, Katpadi  Percentage of Marks scored 75%.  Professional Experience   1. Designation : NEW PRODUCT DEVELOPMENT   (Assistant Manager)  Duration : APR 2019 to Till now  Name of the organization : Rico Auto Industries pvt Ltd    Product Manufactured : Casting manufacturing    **Company Profile:** An IATF 16949:2016 certified Tier one supplier for OEM’s like Renault Nissan, Toyota, KIA Motors, PSA-AVTEC to supply Cylinder Blocks, Oil pans, Timing cases, Gear box Housing, Cam shaft housing Assy, Clutch housing, Housing output drive axle, Bearing caps, Dynamic seals, VTC Covers, Supports, Crank cases…    Job Profile:   * Having good expertise on the HPDC- Powertrain casting like Cylinder blocks (KIA 3 & 4 - Cylinder Block, RENAULT – 3 - Cylinder Block). * Having good expertise on the HPDC- Transmission & industrial, castings like, clutch housings, transmission housings, Gear housings, flywheel housings, oil pans (RENAULT NISSAN, PSA AVTECH, and KIA) and etc. * Lead the new projects technically of customer like KIA Motors, Toyota, RNAIPL, PSA-AVTEC. * Customer single point interaction regarding new projects for technical discussion. * Check the casting feasibility & RFQ workout for new projects. * Prepare detailed timeline for new products after project Kick off. * Prepare Project Investment Justification and get management approval for budget. * Project APQP Phase wise review to align with time plan. * Prepare quality goals for new products. * Able to know new floor layout for new projects and implement utilities required for the cell. * Prepare & upload APQP, PPAP Documents, PFMEA VDA on customer ISIR, ANPQP portal. * Man - machine cycle time study for new projects. * New die casting machine selection for projects as per part requirement. * Prepare SOR & technical discussion with supplier for Casting, machining leak test, Assy, washing and DAP approval. Prepare techno commercial comparison & handover to purchase. * Receiver gauge/multi gauge discussion with supplier & concept approval. * Follow up HPDC die readiness & T0, T1, T2 trials and feedback update to customer. * Prepare Capacity assessment & conduct run @ rate study during production trial. * Handle PSW audit for new products and take corrective action for art findings. * Coordinate with CFT team during project development phases. * Submit the OTS, OTOP, LVPT, HVPT, PPAP lot and start SOP on time. * Project handover sign off with production dept., after 3 months of SOP with relevant doc. * ECN implementation of existing products. * Record the lessons learnt, TGR, TGW, best practices during project development phase. * Handling High Capacity Die Casting Machines such as 250 ton to 3200 ton. * Awareness on programming the Die casting machine accessories such as Robot Extractor and sprayer (FANUC & ABB) & two axis spraying machines- Acheson & Wollin. * New Die Proving, Facility providing for post casting operation, drawing standards for operation & arriving the take time for die casting. * Process improvement, cycle time reduction, Yield improvement, reduction of rejection through process optimization. * Participate of die casting trouble shooting activities. * Thermal analysis of dies by using Thermo Cam. * Technical review with Customers and Suppliers. * Co-ordinate with Design Department and Supplier for New Die & Trimming Tool Development and Die inspection at supplier end to lift the die from the same for ensures the First Time Through at our end. * Documentation, Maintenance and Adherence of QMS requirements.   Product & Customer specific expertise  **HPDC Process Design & Optimization:**  • Responsible to design & optimize the entire HPDC process& tool parameters based on the runner, gating, tool & part geometry to produce sound product & tool prove out.  • Responsible to lead permanent corrective measures to eliminate the product failure & to achieve benchmark scrap  levels.  • Responsible to develop Spraying tools that can achieve optimum lubrication & die surface temperature based on die & product geometry.  • Responsible to develop and optimize the control mechanism based on product geometry and function to eliminate failures at customer end.  • Responsible to standardize the cooling line to attain the optimized die temperature and regular thermal study for ensure product quality.  **Job Responsibilities:**   **Systematic Planning & Prioritizing the Work:** According to the urgency and criticality of the Tool, Prioritizing the Job and allotting the work to ensure the completion with in the lead-time. Preparing the overall plan for the shop with stress being given on quality and lead-time.   **Coordinating:** Prime role is to act as a Coordinator with all the supporting departments and ensure the smooth workflow by making the necessary requirements and Documents available in time.   **Monitoring and Modifying:** Closely monitoring each step of product processing to maintain the quality as per the customer specification and if any deviation needed, doing the modification by communicating with the customer.   **Planning and arranging for Trails:** After completing the die manufacturing, arrange for Trail and check for the Accuracy of the Critical, Functional as well as Aesthetic requirements. Arrangements of critical trails like Mass Production High Speed Stamping Dies, Injection Molds, etc.   **Correction for Conformance:** Based on the input of the First Trail, Correcting the Tool so as to meet the quality requirements and producing the samples for final approval from the Customer.   **Maintaining good Working Environment in the Department:** Developing and following a systematic and scientific approach for all the activities in the Tool Room.  2. Designation : NEW PRODUCT DEVELOPMENT  Duration : JUL 2010 to APR 2019 (8.9 Years)  Name of the organization : Sundaram-Clayton Limited    Product Manufactured : High Pressure Aluminium Die Casting,  Machined and Assembled Components.  **Company Profile:** Sundaram - Clayton Limited, a TVS group of company which is an ISO-TS16949, ISO-14001 & OHSAS Certified manufacturer of High pressure die casting (HPDC), Low pressure die casting (LPDC), Gravity die casting for major Customer like TVS, Cummins, Volvo, Hyundai, Honda, Ford, Visteon, ZF, Daimler.  Job Profile:   * Identifying potential supplier to meet QCDM. * Working on Aluminum RM movements and settling prices with suppliers * Working Deflation on cost reduction ideas and alternative sourcing * Floating RFQ to all panel & non panel suppliers and getting the quote & analyzing with project target price. * Doing benchmark study and arrive the cost target for sourcing of the product with in budgeted price * Study drawing, Process, discussion with supplier on technical specification, parts Development following ANPQP activity. * Component Analysis & cost reduction for existing and new parts following Value Engineering Value analysis. * Supporting global locations with part development activities. * Responsible for global sourcing of parts with competitive price from local suppliers. * Responsible for regional support for the assigned commodity for global reporting. * Finalizing lead time for tool development to adhere vehicle milestones with vendor tooling team assistance and through end to end follow up with suppliers. * Dimensional proving of the product & Die inspection & approval * Proving of Dies by conducting in-house trials and DOE. * Handling High Capacity Die Casting Machines such as 250 ton to 3200 ton * Awareness on Spray Robot, Extraction Robot & Two Axis Spray System. * New Die Proving, Facility providing for post casting operation, setting standards for operation & arriving the take time for die casting. * Process improvement viz, cycle time reduction, Yield improvement, reduction of rejection through process optimization. * Participate of die casting trouble shooting activities. * Thermo analysis of dies by using Thermo Cam. * Technical review with Customers and Suppliers. * Co-ordinate with Design Department and Supplier for New Die & Trimming Tool Development and Die inspection at supplier end to lift the die from the same for ensures the First Time Through at our end. * Documentation, Maintenance and Adherence of QMS requirements. * Having good expertise on handling Fondarex vacuum system and vacuum parameter   I hereby certify that all the information provided is Correct and complete to the best of my knowledge.  Signature: BALAJI.B  Date: |