|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **M. A. Raghuprasad** | | | | | | | |
| BF2, SVS Ananda Nilayam, Yerayana Palya Road, Ramamurthy Nagar, Bangalore – 560016  | raghuprasad.ma@gmail.com | +91 9945012187 | | | | | | | |
|  | | | | | | | |
| **SUMMARY** | | | | | | | |
| Senior engineering management and R&D professional recognised for leveraging new technologies and global best practices to optimise engine efficiency and develop automotive and industrial engineering components. 25+ years of experience in engineering and automotive sectors, most of it in MNCs, with expertise in planning and executing design, development and testing programs for 4-wheelers, 3-wheelers, 2-wheelers, and locomotives. Adept at coordinating with stakeholders, recruiting and retaining talented personnel, and enabling competency development. Skilled at managing and scaling up engineering services units, controlling budgets and resources, and providing value to customers. | | | | | |  | |
| |  |  | | --- | --- | |  | | |  |   **EXPERIENCE** | | | | | | | |
| **Jan 06 – Present** | **ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS PRIVATE LIMITED - INDIA** |  |  | | | |  |
|  | *This 100% owned subsidiary of Robert Bosch GmbH is a leading technology and services company catering to the automotive and industrial sectors.* |  |  | | | |  |
|  | ***Jan’06 to Jan’15 General Manager – Mechanical Engineering Services*** | | |  |  | |  |
|  | Provide services for diverse products to Bosch business units worldwide through teams in India and Vietnam. Define and implement processes, manage talent acquisition and development, and optimise quality of deliverables and customer satisfaction.   * Demonstrated the unit's capabilities and increased customer base from 20 to 80, in addition to stepping up team size from 60 to 500, keeping pace with business expansion * Delivered exceptional value to customers by leading continuous process improvement measures to enhance performance and enabling team members to augment skills * Increased employee satisfaction and maintained attrition at less than 7% by setting up a value-based performance monitoring systems and providing participative leadership * Obtained the CMMi L3 certification for the Mechanical Engineering Services division by specifying and implementing quality processes and ensuring adoption of the same * Strengthened support of critical business processes in emergency situations by establishing a robust business continuity strategy   ***Feb’15 to Present – Competence Manager - Content based Development and Leadership***   * Coaching upcoming Leaders for improving Content Based Leadership * Driving Bosch Engineering Systems for Product Engineering(PE) across different business entities * Product Development Competence roadmap, identification of competencies, providing PE trainings and facilitation of other related trainings | | | | | | |
| |  |  |  |  | | --- | --- | --- | --- | | **Jul 04 – Jan 06** | **GENERAL MOTORS - INDIA** | |  | |  | *American MNC that designs, manufactures, markets, and distributes vehicles and vehicle parts.* | |  | |  | ***Engineering Manager – Powertrain Design Services*** |  | | |  | Established competency to execute engineering design projects from India and enabled the company to obtain the ISO 9001 certification by defining and implementing processes for services. Developed and managed a large team of engineers.   * Set up a training and knowledge transfer process and optimised quality, accuracy and efficiency of services to support 2 powertrain development programs * Increased customer confidence by delivering services within stated requirements, which enabled the company to ramp up the design and specifications teams from 15 to 100 | | |      |  |  |  | | --- | --- | --- | | **Dec 00 – Jun 04** | **GENERAL ELECTRIC - INDIA** |  | |  | *GE is a Fortune 500 multinational conglomerate based in the USA, active in the technology infrastructure, capital finance and consumer & industrial products sectors.* |  | |  | ***Lead Analyst – Powertrain Simulation*** |  | |  | * Transitioned technical knowhow related to Locomotive Powertrain design and simulation from FEV (design consultants in Germany) * Executed complex simulation exercises, resulting in swift and effective resolution of issues * Enabled efficiency through Six Sigma methods * Developed a program for the crankshaft, to identify tangential and radial forces and related stresses at fillets, and to study the effects of changes in geometry and operating conditions * Received multiple awards for execution of complex projects including: * Optimisation of the connecting rod stud design * Analysis of the valve spring, the cylinder head and the intake and exhaust manifolds | |      |  |  |  |  | | --- | --- | --- | --- | | **Jan 99 – Dec 00** | **GREAVES LIMITED** | |  | |  | *Indian manufacturer of engines and construction equipment.* | |  | |  | ***Senior Manager – Corporate R&D*** |  | | |  | * Augmented reliability and fuel efficiency of 510cc and 400cc 3-wheeler engines and enabled compliance to emission norms in the year 2000 * Instituted development of engines in India and managed delivery within 18 months, which was before the estimated schedule * Conducted finite element analysis of the cylinder head and eliminated deflection at valve seats as well as valve seat leakage * Carried out investigations and resolved issues of high engine blow-by on 400cc production * Optimization of inlet and exhaust ports for the 510cc engine and cylinder head development * Coordinated with ARAI to obtain certifications and conduct development testing, which reduced exhaust emissions * Ran a parametric study to optimise emissions on chassis dynamometer | | |  |  |  |  |  | | --- | --- | --- | --- | | **Nov 94 – Jan 99** | **EICHER LIMITED** | |  | |  | *Flagship company of the Eicher Group and a leading player in the Indian automobile industry.* | |  | |  | ***Manager – Product Development*** |  | | |  | * Improved performance and engine reliability, reduced piston deposits and ensured compliance with emission norms by optimising 2 cylinder and 3 cylinder engines of varying horsepower * Received specialised engine development training at Ricardo, UK * Honoured with an award for leading the engineering team in completion of the project * Designed and developed automatic engine testing rigs for durability, as well as test rigs and test cycles for validation of 2-wheelers | | | | | | | | | | |
|  | | | | | | | |
|  | | | | | | | |
| **PRIOR EXPERIENCE** | **Jul 93 – Nov 94**, Senior Engineer – R&D, Hero Honda Motors Limited  **Apr 92 – Jul 93**, Engineer Trainee – R&D, Standard Motors Limited | | | | | | |
|  | | | | | | | |
| **EDUCATION** | **1992, Master of Engineering – Automobile Engineering,** Anna University, Chennai, India  **1990, Bachelor of Technology – Mechanical Engineering,** S.V. University, Tirupati, India | | | | | | |
|  | | | | | | | |
| **PROFESSIONAL DEVELOPMENT** | * Leadership Programme, IIM, Bangalore | Leadership Training for Developing Managers – GE * Diesel engines combustion specifications/development and heat transfer analysis – Ricardo Consulting Engineers, U.K. * Finite Element Analysis Methodology, Diesel Engines – FEV Consulting Engineers, Germany * Finite Element Analysis & Contact Problems – ABAQUS and ANSYS * Solid Modelling and Finite Element Analysis on I-DEAS software * Statistical & Reliability Techniques, F.M.E.A. and Experimental Methods & Analysis – Centre for Reliability, Chennai * Certified ISO Auditor | Six Sigma – Green Belt | Reliability Engineer | | | | | | |
|  | | | | | | | |
| **HONOURS** | * 2013 - Best Department award for Highest Innovation in RBEI, for driving the department to file maximum number of Patents and innovation culture * 2012 - Best Department award for Highest Innovation in RBEI, for driving the department to file maximum number of Patents and innovation culture * 2011 - Best Department award for Delivery in RBEI, for driving the department to achieve more than business targets, highest operational efficiency and customer satisfaction * 2000 - Best Technical Paper award at the 9th SDRC India Users Conference, for paper on solid modelling, FE analysis and fatigue failure analysis titled Design & Development of Single Cylinder Diesel Engine for Euro Norms | | | | | | |
|  | | | | | | | |
|  | | | | | | | |