**SANDEEP GOPALAKRISHNA**

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**Bangalore, India**

**Profile**

A technologist with over 14 years of experience in power industry specializing in gas turbine technology and extensive hands-on exposure to combustion technology from conceptualization, design development, analysis and testing to field commissioning, conversions, uprates and fleet support. A self-motivated, inclusive team leader with clarity of vision and commitment to delivery, supplemented by an innate ability to innovate and adapt. An industry trained technology leader with strong fundamentals, skilled at product development, program management, applications and after-market support. Seeking a position with strong growth and advancement opportunities where skills in business and technology integration and interpersonal communication are applied to the fullest.

**Key Strengths**

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| --- | --- | --- | --- | --- |
| * Program Management | * Global Team Leader | * Technical Analysis | | * Gas Turbine |
| * Product Development | * Fleet Support | * Power Systems | * Combustion | |

**Engineering Technical Leader, GE India Technology Centre – Bangalore (04/2013-Present)**

* Led the design and analysis of new combustion systems to improve their operability and durability involving multiple global teams and cross-functional collaboration with other teams
* Led the combustion engineering team in the field commissioning of multiple gas turbine configurations as combustion engineering expert
* Led the product development of a new combustion system targeted to be applied on multiple machine configurations to aid in the performance testing of newly manufactured gas turbines leading to savings of over $1 MM
* Created, developed and managed the project plan, resource allocation and schedule with regular updates to global team and stake-holders
* Managed vendor identification, negotiations on quotes and manufacturing schedule to meet the program timelines
* Led a team in supporting Fleet related activities including proposals, conversions, commissioning and after sales support
* Led and participated in rig testing of multiple combustion systems which involved planning, procuring, instrumentation, assembly, test execution, post-test analysis and review

**Lead Engineer, GE India Technology Centre – Bangalore (05/2010-03/2013)**

* Led the design and analysis of multiple components in combustion system for different configurations
* Developed innovative techniques and practical tools for design assessment and filed patents on design concepts
* Developed processes to address gaps in analysis methodologies and improve the robustness and turn-around time
* Conducted training sessions on combustion design and analysis tools

**Design Engineer, GE India Technology Centre – Bangalore (02/2008-04/2010)**

* Designed and analyzed multiple combustion components for various combustion systems
* Developed modeling and analysis best practices for multiple combustion components

**Edison Engineer, GE India Technology Centre – Bangalore (04/2004-01/2008)**

* Selected for the Edison Engineer Development Program which incorporates various technical and leadership courses, trainings, conferences and job rotations in gas turbine controls, accessories and integrated gasification combined cycle engineering teams
* Participated in the development of a simulation tool and modeling components to simulate power-plant operation to validate the controls software to be implemented on actual machines as part of the controls team which led to savings of over $1MM. A patent was granted for certain unique features of the software tool which did not exist in any other contemporary simulation package.
* Participated in the development of analysis methodology to assess the ventilation design of gas turbine and fuel gas modules as part of the accessories team leading to a more reliable and faster process resulting in elimination of third party vendor and reduced cost. Developed a tool to determine the reliability of leak detection sensors and optimize their placement in the exhaust duct.
* Performed the heat transfer assessment of Radiant Syngas Cooler in an IGCC power plant to simulate the performance of a fielded unit and optimize the design for a new proposal as part of the gasification team.

**Education**

Master of Science in Mechanical Engineering, 2013

GeorgiaTech, Atlanta

Bachelor of Technology in Mechanical Engineering, 2003

Indian Institute of Technology, Guwahati