Santosh

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***PROFILE SUMMARY***

* An incisive professional with **11 years** of qualitative and enriching experience in Project Management. Distinction of handling Mechanical Engineering Projects.
* Deft in overseeing project activities from Conceptualization to final execution including technical specifications, stage inspections & progress monitoring.
* Versatile mechanical design engineer with a diversified technical background in product development from concept through production.
* Skilled at handling a team, multiple tasks and projects simultaneously in challenging environments.
* Demonstrated ability to think out-of-the-box with strong relationship management, analytical, planning & negotiation skills with deftness in ramping up projects in co-ordination with clients, contractors, vendors & consultants.
* Distinguished proficiency in strategically executing Techno-Commercial proposals.
* Strong communicator with the ability to ensure execution of the time-bound deliverables.

***CORE COMPETENCIES***

*Project Management*

* Demonstrated competencies in Project Planning, Scheduling, Design & Engineering, Project Estimates, materials planning and procurement & mobilization of resources to ensure project delivery within defined cost & time parameters.
* Managing the co-ordination, negotiation and implementation of integrated related projects with internal stakeholders including Design & Engineering, Procurement, Manufacturing and Installation Department for smooth operation of project.
* Conducting cost benefit analysis of the projects including feasibility studies.
* Building and maintaining healthy business relations with clients and ensuring high customer satisfaction matrices by achieving delivery & service quality norms.
* Directing, leading and motivating workforce.
* Adept at using PLM tools.

*Product Development*

* Adept at managing design engineering operations involving design & development, developing detailed drawing and co-ordination with internal departments as well as client, subcontractors and authorities.
* Preparing process-engineering drawings, mechanical drawings and layout drawings for designing and developing new products.
* Modifying /upgrading existing designs using ProE/sheetmetal.
* Undertaking product conceptualization, product development after requirement analysis, Finalizing specifications, designing and prototype development.
* Finalizing processes & process parameters , preparation of stage wise operation drawings to meet technical specifications of Finished Product as per the customer requirement.
* Eliminating redundant / obsolete processes involved in the design, development processes and working towards value-addition.
* Conceptualizing and implementing innovative mechanisms and reverse engineering for product design & development.

***CAREER SCAN***

**Feb’13 – Dec’14: Design & Planning Engineer with Sneha Enterprises**

**Responsibilities:**

* Handling complete project life cycle of a given project i.e., from analysing the requirement to installation through estimation, design & project planning.
* Preparation of shop drawing, sectional drawings & As-built drawing of HVAC system using AutoCAD.
* Preparation of FCU and AHU installation drawings.
* Interacting with clients and vendors and make sure that the project is completed within the specified cost and time.
* Attending Technical meetings.
* Follow up of HVAC site activities.
* Calculating general cooling loads.
* Preparation of BOQ / BOM.
* Making Material Requirement Planning (MRP) by staying within the estimated budget.
* Coordinating with customer for various engineering document approval as per engineering & project schedule.
* Preparation of Handing over documents after successful completion of the project and submitting it to the customer.

**July ’11 – Jan’13: Sr. Engineer with Trident Infosol Pvt. Ltd.**

**Responsibilities:**

* Creating the Project Plan and tracking the Scope and Cost changes to Project, creating and sharing Weekly status report with all.
* Responsible for End-to-end delivery. Highlighting all the project risks & issues on time and ensuring they get addressed on time.
* Conduct initial kick-off meetings after order awarded and participate in vendor design reviews as required.
* Conduct project review meetings internally and ensure associated reports are compiled and distributed accordingly.
* Maintaining all records as per ISO Guidelines, Facing audits and regular Contract review.
* Reviewing tender/bid documents, client material requisition, GA drawings and relevant specifications.
* Looking at pre-sales and post-sales activities encompassing design engineering & new product development.
* Pre-sales activities include product conceptualization i.e., preparation of 3D model of the product for the proposal as per the customer requirement using ProE.
* Post sales activities include efficiently performing advanced 3D design of mechanical parts, assemblies and complex shapes in the context of the full scale digital mock-up, and generating production drawings.
* Putting in place Bill of Material for the production team.
* Interaction with cross functional teams to perform Cost out activities.
* Recording the changes by creating ECO.
* Making assembly drawings including Bill of quantity & providing the same to the Installation team.
* Coordinating with customer for various engineering document approval as per engineering & project schedule.

**Jun ‘05 – Jun ‘11: Sr. Engineer with Inlogsys Techno Pvt. Ltd.**

**Responsibilities:**

* Responsible for detailed Planning, Scheduling and Coordinating on-site activities. Also, monitoring & following up with Customers, Vendors and different internal departments during different phases of project to ensure smooth work progress and timely execution of projects.
* Involved in creation of Project estimates, tracking Risks and Issues of Project on weekly basis.
* Conceptualizing the project execution after thorough discussion with Client, Consultant, Contractors / Vendors and setting up according to agreed Project milestones, Benchmark Budgets.
* Organizing & participating in project review meetings for evaluating project progress and de-bottlenecking.
* Conceptualize and Develop Techno-Commercial proposals depicting the details of scope of supply, services, technical competence, commercial terms and ensure scheduled submission to clients.
* Overseeing the entire gamut of operations encompassing design engineering, new product development, process improvement and quality assurance.
* Designing and analyzing all the members of the bolted sheet metal structure made by using in-house software.
* Performing technical calculations & costing of the industrial storage systems.
* Actively involved in re-engineering of the product and cost cutting of entire project without compromising on the quality & quantity of the product.
* Efficiently performing advanced 3D design of mechanical parts, assemblies and complex shapes in the context of the full scale digital mock-up, and generating production drawings using **ProE**.
* Generating drawings in specifications with the manufacturing details such as, machining symbols & Geometrical Tolerances & provided the same to the production team.
* Putting in place Bill of Material for the production team.
* Making assembly drawings including Bill of quantity & providing the same to the Installation team.

**Highlights:**

* Performed structural design & engineering to achieve reduction in material & energy consumption.
* Developed a software in Visual Basic where in end user has to enter only the size of member i.e., length, width and height & load capacity / level. With these inputs the software calculates what best sections need to be taken so that design of the member is safe. It also gives out costing of each member. *Achieved a decrease in the time of costing from 1 hr to 1 min.*

**Dec’ 03 – May’ 05: Project Engineer at Swan Multimedia Pvt. Ltd, Bangalore (A franchisee of Aeronautical Development Agency, Bangalore)**

**1.** **Title:**  **Aircraft Systems Maintenance Simulator (ASMS)**

######  Client: Aeronautical Development Agency.

######  Role: Courseware development for ASMS workstations.

 **Description:** Generating 3D Models for different systems of military aircraft LCA, MIG21 (BUPG) i.e., Hydraulic, Pneumatic, Instrument, Airframe, Armament systems and all the related parts of aircraft on Catia V5 platform.

 Modeling and detailed drawing of LCA & MIG21 components like Compressor Assembly, Gyro Horizon, Rocket Launchers, landing Gear Mechanism etc are done.

 **Software:** Catia V5, AutoCAD 2000.

 **Platform:** UNIX

* It uses an integrated database of the different types of resources to describe the components, & details of the aircraft systems and technical and physical details of the components, their sub-components and their status of availability.

**Responsibilities:**

* Training of personnel In-house as well as at customer’s place.
* Creating DAT files on UNIX platform.
* Efficiently doing courseware development of components through simulation.
* Adept at building complex assembly models of LCA & MIG21 using Catia V5.

**Highlights:**

* *Demonstrated capabilities in building a Simulator using Catia V5 that facilitates in following:*
	+ Assists in providing on the job training without a need for captive aircraft.
	+ Supports learning by generating on-site training notes.
	+ Extensively explains the different components related to aircraft & internal operations through graphical animation.
	+ Provides tutoring lessons about working of aircraft parts to the user.
	+ Helps in giving interactive self-study sessions to the user.

***EDUCATION***

**2003** Bachelors in Industrial Engineering & Management from Siddaganga Institute of Technology, Tumkur (Karnataka)

 **NOTE : Attestation ready ( From UAE Embassy, MEA & Home Ministry )**

**1997** Diploma in Mechanical Engineering from T.M.A.E.’s Polytechnic, Hospet (Karnataka)

***SKILL SET***

Technical Skills : ProE WildFire 4.0, Catia V5, SolidWorks, AutoCAD 2012.

IT Skills : PLM Tools, MS Office.

***PERSONAL DETAILS***

Date Of Birth : 9th January, 1979

Linguistic Abilities: Kannada, English, Hindi & Telugu.