Sudhir Sutar

Lead Engineer KBE/NX CAD Customization

Bengaluru, India
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Skills

C# & VB.NET Programmng Langauge

CAD Automation

NX CAD/CAM Expert

Product Design and Core Manufacturing Knowledge

Siemens UG NX,CREO,CATIA CAD Expert

PLM TeamCenter

Effective Time Management

Leadership Skills

Ability to Learn Quickly

Languages

English
Hindi
Kannada
Marathi

Profile

Experienced CAD Customization/Developer Engineer with a demonstrated history of working in the Mechanical or Industrial Engineering Industry. Skilled in CAD Customization (NX Open API,UFUNC, AutoCAD), using C# Programming Language.

Employment History

Lead Engineer , QuEST Global , Bengaluru

December 2021 — Present

Customizing Steam Turbine blade complete 3D model creation Tool.

Developed NX drafting entity layer setting tool..

Customized NX attribute and Expression.

Customized Title Block Project

As per projects build many NX UI Block styler and Win form.

Good at NXOPEN API & UFUNC usage.

Excellent understanding of CAD Topology.

Familiar with GIT HUB and GIT BASH.

Worked on NX sketcher, Part, drafting & Assembly module customization.

Worked on File Handing Excel, Text files etc.

Analytical skills and knowledge in Geometric modelling.

Developed AutoCAD and Excel migration tool for Electrical Panel assembly.

Deliverable excel by extracting large data from AutoCAD and excel files..

Developing productivity tools based on project need using C#.

Lead Engineer, QuEST Global, Belgaum

January 2012 — May 2020

Developing productivity tool using vb.net based on project.

Developed customized tool for NX on going projects.

Final Review of executed task and delivering to customer on time.

Training and mentoring the team members.

Product design and development.

Technical review and technical discussion with customer.

Managing resource, setting KRA's.

CNC programming using UG NX tool and providing CNC code to production.Working on pilot projects with good deliverables and achieving the customer confidence and adding new project to the team.

Engineer, TATA Technologies Ltd. (TATA MOTORS) , Pune
October 2010 — January 2012

Product Modeling, Assemble and Detailing using Pro-E (Creo) tool.

Product design document and drawing document releasing through PLM process.

Concept to final design for jigs and fixtures for manufacturing.

Integrate whole vehicle with vehicle aggregates to meet the target performance.

Giving the ideas to reduce the weight & cost of vehicle to each aggregate.

Raise the packaging issues of vehicle aggregates and give proposal solution.

Support for component development and Manufacturing.

Design Engineer, Mahindra Casting Ltd, Pune
February 2010 — October 2010

Reviewing customer component drawing and initiating design process.

Designing and manufacturing total foundry tooling requirement to produce product, like parting line, core box, pattern using proper allowances, draft angle, shrinkage, designing Gating system,

Designing Jigs and fixtures required for machining operation of casting product.

Preparing drawing documents of product, jigs and fixtures for manufacturing.

Working with Quality control team to meet the product specification given.

Working with machining team like NC programmer and process planer.

Finding improvement on cost and weight reduction

Tool Design Engineer , Quest Machining & Manufacturing Pvt. Ltd, Belgaum
September 2008 — February 2010

Executing shop floor Process planning and FAI tasks for components.

Cutting tool selection and cutting tool concepts for new development.

Preparing the process planning documents such as process flow diagram, manufacturing outline, control plan, NC setup sheets, Jigs and Fixtures drawing and document.

Working with Quality control team during process planning and FAI production.

Review and Technical discussion with customer.

Designing jigs and fixture for machining components and mfg. drawing.

Working with NC programmer and tool supplier for cycle time reduction

Co-ordination with different departments Quality control, NC programming team,

Education

B.E (AMIE), Institution of Engineer. INDIA
June 2012 — December 2016

Diploma in Automobile Engineering, Government Polytechnic