

Saurabh Tiwari

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EDUCATION

Brigham Young University, Provo, UT

Jan, 2008 – June, 2012

Bachelor of Science in Manufacturing Engineering Technology

Minor: Business Management

PROJECTS AND JOB EXPERIENCES

Engineering Intern – Container Division

June 2012 – present

Longview Fibre Paper and Packaging Inc., Longview, Washington

- Identified the cost savings of around \$500,000 in ink process for corrugated container board by simply analyzing and improving the current process of using ink formulation
- Understanding and exploring opportunities to improve high inventory level and maximize the production of safe tons at optimal manufacturing costs by doing the Right Work at the Right Time the Right Way
- Responsible for performing analysis of processes in search of continuous improvement opportunities supporting Container Division Key Performance Indicators (KPI's)

Manufacturing Engineering Intern

Feb 2012 – April 2012

Mountain States Steel, Lindon, Utah

- Prepared the Job Program for the floor supervisors to perform the daily duties and tasks for the production floor worker on different machines (drill, punch and weld)
- Collaborated with Production Manager and Floor Supervisor to improve the OEE (Overall Equipment Effectiveness) and study the variables for the process improvement and better productivity within the production floor
- Implemented 5S principle and lean principle to production floor and cutting machines to improve organization, safety, and efficiency of work

Team Member

Aug 2011 – April 2012

Westinghouse Zirconium Plant/ BYU Capstone, Provo, Utah

- Designed an automated sorting mechanism to process 3200 pounds of Zirconium sponges within 4 hours for under \$20,000 before deadline
- Developed a fully functional prototype of an optical and automatic sponge sorting device that help Westinghouse to implement the design and findings into a full-scale production
- Managed project by developing the weekly project schedule and maintaining the work in progress and capturing the work done in the project as Documentation Manager

Operations Analyst (Level III Supervisor)

Nov 2009 – June 2012

BYU Network Operations Center (DATA CENTER), Provo, Utah

- Supervised 6 – 8 analysts to execute system level trouble-shooting, diagnosing and managing different servers (Windows, VMware's, and Linux) for the BYU and the LDS church around the worldwide, in different time zones to provide 365 – 24/7 coverage, following Incident and Change Management Process
- Collaborated with BYU and Church Engineers in troubleshooting and documenting major incidents and system level issues in a daily basis via phone and remote tools
- Created and Modified Knowledge Base Articles regarding troubleshooting IT problems

Problem Management Coordinator

Jan 2011 – Feb 2012

BYU Office of Information Technology, Provo, Utah

- Executed Problem Management process to provide Continual Improvement on delivering IT products to BYU users by identifying process measurement and refinement mechanisms through reactive and proactive problem management
- Performed Root Cause Analysis to determine true source or root cause for OIT service interruption by trending and analysis of data and failed changes and using the Cause and Effect principle

SKILLS

Manufacturing

Quality Systems: Basic Lean Manufacturing in Six Sigma and 5S Principles; concepts of SPC, SIPOC and FMEA; Value Stream Mapping, Ishikawa diagram, Process Map;

Production Systems: Product development process; economic and manufacturing considerations; Equipment selection, Facility Layout, Material Handling System design and Process Improvement technique; OEE

Automated Systems and Control: CNC programming for Wire EDM and Okuma lathe; Knowledge of PLC Programming; concepts of sensors, actuators, robotics, part feeding and assembly

Manufacturing Processes: Machining, Metal Forming, Casting, Welding, Finishing process, plastics materials' processes and its uses; Designing plastic-manufacturing processes, plastic products and manufacturing systems; concepts of composites properties and uses

Computer

Modeling: CAD/CAM software's AutoCAD Inventor, SolidWorks, CATIA, Unigraphics NX4, Pro/Engineer, AutoCAD and GIBBS, Pedimat Programming System

Programs: Microsoft Office Suite, Microsoft Visio, Microsoft Project, Mindjet Manager, Silvon, JD Edwards

Simulation: Process Simulator, Arena, FlexSim,

Certifications: Level III Certification for Windows, VMware's, Linux, Networking, Proteus and QIP for BYU Data Center

Business: Basic accounting statements, processes, and management applications; basic concepts for financial statement analysis, financial planning; basic theories and concepts for creating effective organizations

Strengths: Highly reliable; hard-working; effective team developer; well organized; punctual

Language: Nepali, native; Hindi, fluent oral and written

AFFILIATIONS/AWARDS/ACTIVITIES

- BYU Academic Scholarship 2008-2009 and 2009-2010; College of Engineering – Manufacturing Engineering Technology Scholarship 2011 – 2012
- Member, Society of Manufacturing Engineers
- Member, Nepalese Association of Utah
- Cricket, Hiking and Singing