

Energy Engineering ~ Manufacturing ~ Production ~ Mechanical Engineering

20+ years' rich experience in delivering optimal results & business value in high-growth environments

An outstanding professional who has extensive experience in supervising and managing business energy efficiency programs and policy planning/implementation initiatives. Knowledgeable in energy management program development, engineering technology with an emphasis on facilities management. Ability to manage budget and handle personnel and to undertake the wide range of research, analysis, data management, report writing and analytical tasks necessary to meet the evolving needs of the program. Strong analytical and troubleshooting skills. Demonstrated expertise in production planning & control with judicious deployment of resources to efficiently achieve production milestones. Key competencies in generating favorable work atmosphere to enhance overall productivity levels. Deft in identifying and rectifying Mechanical Faults and promptly overcome operational bottlenecks with demonstrated capabilities in handling the entire range of project management activities. Assertive team leader, trainer and a motivator with fine tuned administrative and troubleshooting skills.

PROFESSIONAL VALUE OFFERED

Energy Engineering	Maintenance Management	Operations Management	Financial Analysis
Analysis/Design/Testing/MIS	Project Management	Erection/Commissioning	Instrumentation
Research/Development	Manufacturing	Production Management	Solar Energy
Renewable Energy Development	Crisis Management	Safety Management	Quality Control
Troubleshooting/Inspection	Training & Development	Training/SOP/SMP	Inventory Control

PERFORMANCE MILESTONES

Butwal Power Company

- Holds the credentials of planning and developing solar and micro-hydro power in rural areas of Nepal as member of renewable energy development team.
- Proactively contributed in designing various components of micro-hydro power plant and successfully designed 50+ micro-hydro power stations.
- Distinction of designing and implementing solar power in different parts of Nepal and installed and operated 100+ Solar water heaters successfully.
- Associated closely with renewable energy research group to design and implement bio-gas and wind power in rural areas of Nepal.

Sundarijal Arsenal

- Honored with Technology Leadership Award, Kathmandu University, 2002 and 'Best Engineer Design Award, 2000'.
- Accredited for raising production output by 10% in first twelve months.
- Distinction of enhancing labor efficiency by 8% through improved labor utilization and applying CAD tools, and also reduced the wastes ultimately by 10% and maintenance cost by 08%.
- Designed & developed cost & energy saving techniques/measures and modifications to achieve substantial reduction in O&M expenditures and work within the budget.
- Having credential of designing, coding and creating a database to track the arrival and details of maintenance equipment & deliverables using Microsoft Access and Visual Basic.

CAREER PROGRESSION

Mechanical Engineer, Butwal Power Company, Kathmandu, Nepal, Jul 2000 to Aug 2007

- Actively involved in designing and financial analysis of hydro power plant.
- Proactively contributed in designing and monitoring the process of manufacturing of various components of turbine.
- Designed & developed SOP's & SMP'S and ensured its implementation.

- Accountable for installing, commissioning and performing test analysis of diesel power plant and gas turbine plant with the process of development of power cycle simulations.
- Gained invaluable experience as Instrumentation Engineer with the sound knowledge of Instrument locations, Database, ISA.
- Successfully organized periodic inspection to ensure that product meet design requirements.
- Reduced the consumable cost of maintenance by emphasis on preventive/predictive maintenance.
- Organized various training sessions for the team to enhance their performance.
- Developed Vendors and negotiated with them to supply the best qualitative products on most competitive prices.
- Arranged timely calibration of all instruments for complete reliability and functional correctness.

Junior Mechanical Engineer, Sundarjial Arsenal, Kathmandu, Nepal, May 1993 to Jun 2000

- Accomplished responsibility of providing full engineering support for successful operation of machine shop and construction work for industrial plant.
- Led and guided a group of 5 supervisors & 125 hourly production employees and directed manufacturing engineers supporting the production department.
- Geared the activities for designing mechanical solutions to produce different parts of military weapons using theory, simulations and mathematical models.
- Drawn up plans for overhauling machine shop through implementation of CNC machining equipment resulting in decrease in labor costs and shorter lead times for the production of machining tools.
- Instrumental in implementing mechanical design procedures using EDA tools. Monitored quality control and reliability analysis of production plant.
- Operated as team leader for operation and maintenance of electric generators, air compressors, electrical circuits and various kinds of mechanical equipments.
- Formulated plan for inspection, shutdown jobs preparation & execution, Breakdown analysis & action plans and Preparation of annual maintenance plans.
- Pivotal in preparing AMC for the machines and maintaining its database.
- Led & guided the team in ensuring compliance to all Safety norms to minimize/achieve ZERO accidents through appropriate fire protection system & safety equipments.
- Drawn up plan for preventive maintenance, and TPM to increase machine up time and equipment reliability.
- Developed plan to ensure that quality control is maintained in all maintenance activities.

EDUCATION

- Pursuing "Master of Mechanical and Aerospace Engineering", Professional Education on Information Technology Courses from University of Virginia.
- Master of Science (Mechanical Engineering) from Kathmandu University, Nepal - 2003
- Master's of Business Administration from Tribhuvan University, Nepal – 2000
- Bachelor of Science in Mechanical Engineering from Mangalore University, India – 1990

TRAINING

- Project Planning and Management Training - 2006, Nepal

MEMBERSHIP

- Nepal Engineering Council

TECHNICAL SKILLS

Drafting standards (ASME), Finite Element Analysis, Project Management, Process Failure Mode and Effects Analysis (PFMEA), Lean Manufacturing

I.T. SKILLS

AutoCAD 2D/3D, Solid Works, Pro Engineer, Java Programming, SQL Database, C++ , Visual Basic, MS Office

References and Verifying Documentation Furnished upon Request