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## Mechanical Engineering ~ Maintenance Management ~ Operation

**16+ years' rich experience** in maintenance, operations, machine design, testing and quality control etc.

Excellency in systematizing maintenance function with implementation of predictive, planned & preventive maintenance practices to maximize functional availability of equipments with constant endeavors to realize ZERO downtime. Adroit in identifying and rectifying Mechanical Faults and promptly overcome operational bottlenecks with demonstrated capabilities in handling the entire range of project management activities. Core strengths in machine design, testing and quality control. Proven dexterity in planning, vendor development, procurement, logistics, and management of inventory of critical spares to manage maintenance calls expeditiously. Deadline conscious, demonstrated ability to work well under pressure and deliver completed repairs on time, which decreased downtime and improved overall profit margin. Excellent man-management, time management, leadership skills. Recognised skilled problem solver. **Green Card Holder.**

### Core Competencies Include :

Maintenance Management	Operations Management	Analysis/Design	Testing/MIS
Project Planning/Management	Machine Utilization	Quality Control	Safety Management
Troubleshooting/Inspection	Inventory control	Crisis Management	Training & Development
Automation/Troubleshooting	Productivity Improvement	Training/SOP/SMP	Team Leadership

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### SELECTED ACCOMPLISHMENTS

- 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%.
  - 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.
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### EMPLOYMENT HISTORY

#### SUNDARIJAL ARSENAL, KATHMANDU, NEPAL

**Mechanical Engineer**  
**Junior Mechanical Engineer**

**Jul 2000 – Aug 2007**  
**May 1993 – 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.
  - Successfully organized periodic inspection to ensure that product meet design requirements.
  - Operated as team leader for operation and maintenance of electric generators, air compressors, electrical circuits and various kinds of mechanical equipments.
  - Designed & developed SOP's & SMP'S and ensured its implementation.
  - 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.
  - Organized various training sessions for the team to enhance their performance.
  - Led & guided the team in ensuring compliance to all Safety norms to minimize/achieve ZERO accidents through appropriate fire protection system & safety equipments.
  - Reviewing existing systems & procedures and designed internal controls/quality audit checks for various operational areas for achieving higher operational efficiency, resource rationalization and cost reduction.
  - Arranged timely calibration of all instruments for complete reliability and functional correctness.
  - Drawn up plan for preventive maintenance, and TPM to increase machine up time and equipment reliability.
  - Developed Vendors and negotiated with them to supply the best qualitative products on most competitive prices.
  - Regulated and allocated jobs involving routine checkups and maintenance activities. Arranged issue of materials for proper job performance.
  - Propagated Quality Circle movement and developed quality culture in the work force to achieve quality leadership in the industry.
  - Developed plan to ensure that quality control is maintained in all maintenance activities.
  - Reduced the consumable cost of maintenance by emphasis on preventive/predictive maintenance.
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#### **ACADEMIA**

- 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

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**References and Verifying Documentation Furnished upon Request**