RAMESH KUMAR SHARMA

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SUMMARY

Experienced Mechanical Engineering professional with 29+ years of expertise in laboratory operations, workshop management, automobile systems, fabrication, CNC/VMC machining, and technical training across academic and industrial environments. Skilled in managing mechanical engineering laboratories, maintaining equipment, conducting practical training sessions, supporting research and fabrication activities, and ensuring safety and operational compliance. Certified NSDC Trainer with hands-on expertise in IC engines, welding systems, CAD/CAM, machining operations, and customized mechanical project development.

SKILLS

- Mechanical Laboratory Operations
- Workshop Management & Fabrication
- CNC & VMC Programming and Operations
- CAD/CAM Applications
- Automobile Assembly & Troubleshooting
- IC Engine Systems
- Welding (ARC, MIG, TIG, GAS, SPOT)
- Laser Cutting Machine Operations
- 3D Printing Operations
- Mechanical Equipment Maintenance
- Machinery Installation & Troubleshooting
- Measuring Instruments & Calibration
- Manufacturing & Machining Processes
- Inventory & Workshop Documentation
- Safety Compliance & Lab Management
- Student Practical Training & Skill Development
- Prototype & Customized Project Development
- Mechanical Workshop Tools & Operations

WORK EXPERIENCE

JK Lakshmipat University, Jaipur

Senior Technical Assistant | July 2014 – Present

- Managing and maintaining mechanical engineering laboratories and workshop facilities.
- Assisting students and faculty during practical sessions related to machining, fabrication, automobile systems and manufacturing processes.
- Operating CNC, VMC, laser cutting, welding, and 3D printing equipment.
- Conducting NSDC skill development and practical training programs.
- Maintaining laboratory inventory, equipment records, and safety compliance.
- Supporting customized project manufacturing and prototype development.

Anand International College of Engineering, Jaipur

Laboratory Technician | July 2012 – July 2014

- Assisted in laboratory operations, workshop maintenance, and practical training sessions.
- Supported machining, fabrication, fitting, and automobile-related practical activities.
- Maintained workshop tools, machinery, and laboratory records.

Bansal School of Engineering & Technology (B-SET), Jaipur

Lab Technician | September 2008 – June 2012

- Supervised workshop operations, laboratory maintenance, and fabrication activities.
- Assisted students and faculty in practical sessions and engineering project work.
- Managed workshop tools, machinery maintenance, and inventory records.

Self-Employed Automobile Workshop, Jaipur

Owner & Mechanical Technician | July 1998 – June 2008

- Managed automobile repair, diagnostics, fabrication, and customized vehicle modification work.
- Specialized in troubleshooting and maintenance of automobile systems and mechanical components.

Jaipur Metal & Electrical Ltd. (JME)

Industrial Experience | September 1996 – June 1998

- Gained hands-on industrial experience in mechanical operations, maintenance, and workshop practices.
- Assisted in machinery handling, fabrication, and technical maintenance activities.
- Developed practical knowledge of industrial mechanical systems, tools, and manufacturing operations.

ACHIEVEMENTS

- Certified Trainer: Accredited by the National Skills Development Corporation (NSDC)

EDUCATION

- Diploma in Mechanical Engineering
- ITI (NCVT) – Mechanical Engineering / Welder Trade, Board of Technical Education Jodhpur, Rajasthan
- Secondary Education, RBSE, Ajmer, Rajasthan

CERTIFICATIONS

- Bajaj Auto Ltd. Training Certificate, Pune (2000)
- Certified Trainer – NSDC (Engineering Trades: CNC, Fitter & Welding)
- Faculty Development Program – CAD DESK India, Jaipur (2019)
- HPMP Stage-2 Training – ISHRAE Jaipur Chapter (2023)
- Apprenticeship Training – Welder Trade (1995–1996)
- Participation in ACRESERVE – ISHRAE Jaipur Chapter (2021–2023)
- Faculty Development Program – Sustainable Processes For Green Hydrogen Production (2019)