

Ram Kumar Singh

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Summary

A Results-oriented Mechanical Engineer with a B. Tech degree and a passion for innovation in product design and development. Proficient in utilizing CAD software and applying engineering principles to solve complex technical challenges. Experienced in project management, with a strong focus on optimizing processes to enhance efficiency and drive continuous improvement. Proven ability to collaborate effectively with cross-functional teams to deliver high-quality solutions within tight deadlines. Seeking to leverage technical expertise and analytical skills to contribute to the success of a dynamic engineering team.

Skills

- CAD
- C, C++
- MS Excel, MS Word

Industrial Training

Jindal SAW Limited | Kutch, Gujrat

Maintenance and Production Department

- Demonstrated hands-on experience in the maintenance department, where responsibilities included troubleshooting mechanical issues, conducting routine inspections, and performing preventive maintenance tasks to ensure optimal equipment functionality.
- Assisted in the implementation of maintenance schedules and procedures, contributing to improved equipment reliability and reduced downtime.
- Below is the key area of the testing:
- **Induction Furnace:** Operated and maintained induction furnaces, ensuring optimal performance and safety.
- **Magnesium Converter:** Assisted in magnesium conversion processes, maintaining alloy properties.
- **Centrifugal Casting:** Managed setup and operation of casting machines, ensuring precision and quality.
- **Annealing:** Applied annealing techniques to improve metal ductility and conducted hardness testing.
- **Zinc Coating:** Performed hot-dip and electroplating processes for corrosion protection.
- **Hydro Pressure Testing:** Conducted pressure testing on pipes and vessels, ensuring structural integrity.
- **Cement Internal Lining:** Applied cement linings for durability and corrosion resistance.
- **Cultivation Furnace:** Operated furnaces for heat treatment and hardening of metals.
- **Buffing:** Executed buffing procedures for desired surface finishes on metal parts.
- **Bitumen Coating:** Applied bitumen coatings for corrosion protection, ensuring proper adhesion.

Educational Qualifications

B. Tech (Mechanical Engineering) from JECRC (Rajasthan Technical University), Jaipur (62.16%) - 2020