

Bipan Banjara

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Career Objective

Dedicated Mechanical Engineer with a pursuing Master's degree in Professional Engineering (Mechanical Engineering) from the University of Technology Sydney (UTS). Experienced in both customer service and technical roles, with a proven track record of ensuring customer satisfaction through service excellence and expertise in the erection and commissioning of complex machinery. Seeking an engineering role where I can leverage my technical skills, project management experience, and strong communication abilities to contribute to the success of an innovative engineering team.

Education

Master of Professional Engineering (Mechanical Engineering)

University of Technology Sydney (UTS)

February 2023 - February 2025

(Expected)

B.E. in Mechanical Engineering

Kathmandu University

August 2012 - December 2016

Work Experience

Customer Service and Spare Parts Officer

June 2022 - January 2023

MAW Earthmovers Private Limited (JCB)

- Ensure customer satisfaction through service and spare parts as well as Lube
- Spare parts and lube arrangements for customer machines as per their requirements
- Assists service engineer to provide timely service to JCB machines
- Maintain daily, weekly and monthly reports and report to higher authorities

Mechanical Engineer

12 January 2017 – 14 June 2022

Sarbottam Cement Limited

- Erection and commissioning fly ash silo Bucket Elevator, Bag Filters, Belt Conveyers, Deep Bucket Conveyor, Rotary Kiln (1800 TPH), Crossbar Cooler, Vertical Raw Mill (VRM), OK 2.7-4 Cement mill, ROSKH Air Separator, Reitz Fan, and Flsmidth Conveyors, Blowers and ID Fans and other machineries equipment
- Supervision in refractory work in preheater, cooler, tertiary air duct, rotary kiln and burner as a refractory engineer
- Assisted in the installation and maintenance of cooling systems, filters, and conveyors, relevant to HVAC industry experience.
- Created and supervised detailed technical drawings using SolidWorks for mechanical equipment and plant systems.
- Site selection and installation of all instrumentation point in cement plant
- Planned and lead the team for all major works during shut down

- Maintenance of the Rotary kiln, preheater cyclones, drive plates of the Cross-bar cooler, Vertical Raw Mill Atox-30, Cement Ok Mill 25-3, Coal Mill, Impact Crusher and also for changing the brick lining inside the kiln shell
- Operate the Rotary Kiln, VRM (Atox-30, Ok Mill 25), Coal Mill and all other equipment too
- Maintained detailed records of spare parts and maintenance activities, contributing to efficient inventory management and operational continuity.

Personal Skills

Technical Skills

- **SolidWorks** (Adept Level)
- **Manufacturing Knowledge:** Experience with mechanical systems, plant commissioning, and understanding of industry standards.
- **Microsoft Word/Excel** (Adept Level)
- **CAD Tools:** AutoCAD, Autodesk Inventor, ANSYS (Mechanical APDL, CFX Fluent)
- **Programming Languages:** MATLAB, C, C++
- **Engineering Equation Solver:** EES (Version 6.883-3D)

Transferable Skills

Communication

- Good communication skills gained through active involvement in different project work, customer service, presentation, seminars and programs

Teamwork and Leadership

- Provided powerful and creative leadership during completion of project in sarbottam cement

Resource Allocation

- Optimized resource allocation, resulting in a 15% reduction in project costs while maintaining high-quality standards

Organization

- Prioritized daily tasks to focus on critical project milestones, resulting in a 20% increase in project completion rates while working as mechanical engineer in sarbottam cement plant.

Problem Solving

- Successfully resolved technical challenges during the erection and commissioning of multiple complex machinery and equipment, ensuring they operated efficiently
- Ensured customer satisfaction by promptly arranging spare parts and lubricants tailored to each customer's specific machine requirements

Project Management

- Successfully led cross-functional project teams, overseeing project lifecycles from initiation to completion, and ensuring all deliverables were met.

Adaptability

- Demonstrated adaptability by quickly revising project plans in response to unforeseen obstacles, ensuring minimal disruptions to timelines

Language Skills

- English, Mandarin Chinese, Hindi, Nepali

Hobbies

- Reading literature, Trekking, Football

Additional Information

Publications.

- Banjara, B., Aryal, U., Mainali, S., "Study of Sediment Erosion in Guide Vanes of Francis Turbine" Avyanta'16, KU, Page 39, 2016.
- Banjara, B., Aryal, U., Mainali, S., Bista S., "Design and Fabrication of Mobile Robotic Fire Extinguisher" Avyanta'15, KU, Page 70, 2015.
- Banjara, B., Aryal, U., Mainali, S., Bista S., Chand, S., Satyal, N., "Design and Fabrication of Mustard Threshing Machine" Avyanta'14, KU, Page 36, 2014.

Community Project.

- Design and fabrication of Multicrops Threshing Machine funded by Kathmandu University Business Incubation Centre (KUBIC).

Seminars & Volunteers.

- Participation in one Day Training on Business Model canvas organized by Kathmandu University Business Incubation project 2016.
- Volunteered in International Symposium on Current Research in Hydraulic Turbines organized by KUTTTL, 2016.

Honours and Awards.

- First prize in PitchFest Competition jointly organized by KUBIC and KUTTTL.
- First runner-up in Avyanta'15 project Exhibition organized by Department of Mechanical Engineering and Association of Mechanical Engineering Students (AMES).

Membership.

- Engineers Australia (EA)
- Professional Australia (APESMA)

References: Available upon Request.