

- Lead teams to develop complex conceptual analysis to determine the cause of asset failures and reduction in asset capacity.
- Develop and update design standards and site-specific operating procedures in order to establish common practices.
- Supervise the decision making process by providing input to strategic, short-term, and long-term infrastructure planning.

**Larsen and Toubro, Mumbai**

**Jan. 2014 – Dec. 2017**

**Mechanical Engineer II**

- Created mechanical designs, and detailed drawings, and led design reviews.
- Met manufacturability, compliance, and product robustness requirements through documentation, test, or analysis.
- Built prototypes for validation including test plan creation & execution.
- Explored sustainment of existing product portfolio addressed feature enhancement and quality improvement.
- Fabricated prototypes with assistance from the technical support team, suppliers, and internal and external manufacturing partners to ensure producible designs (DFM).
- Visited suppliers to evaluate and carry out the necessary tests and researched for potential new equipment.
- Developed documentation to support the design and development process, such as design specifications, design decision documents, engineering testing and analysis documents and reports, and well as verification procedures.
- Coordinated equipment transfer between sites and suppliers by considering planning constraints.
- Monitored the installed equipment and collected Key Production Indicators.
- Derived electronic data models and used engineering analysis tools as per requirement using finite element and finite difference methods (ANSYS, CFDesign, and KCR Thermal).
- Contributed to test methods and conducted characterization and engineering pre-verification testing.

**Ashok Leyland, Mumbai**

**Apr. 2012 – Dec 2013**

**Mechanical engineer III**

- Performed all aspects of conventional design engineering and analysis, under general supervision.
- Prepared a variety of moderately complex engineering deliverables, and complex engineering calculations following standard methods and principles.
- Performed complex research and developed recommendations for equipment and/or materials selection.
- Provided reviews and approvals of engineering work to ensure quality.
- Communicated with clients at various levels to manage expectations and ensure satisfaction
- Implemented programs for the dissemination of engineering knowledge and competency throughout the technical staff.
- Aimed to understand client interests and drivers through normal client contact and through interaction and communication with project leadership.
- Assisted with troubleshooting and performance enhancements of mechanical systems and recommend cost effective solutions and repairs.

## ACADEMIC CREDENTIALS

**Education – MTech in mechanical engineering, MIT Manipal - Manipal Institute of Technology | 2012**

**BTech in mechanical engineering, DTU Delhi - Delhi Technological University | 2010**

## PERSONAL DOSSIER

- **Languages Known:** English, & Hindi

**~References and other documents available upon request ~**