



JAYANTA HALDAR

Design Engineering & Planning

An innovative & creative professional qualified in conceptualization, design and engineering operations using the latest CAD tools and worked on projects consisting of engineering and execution at site

PROFILE SUMMARY

- Mechanical Diploma Engineer with **nearly 6 years of experience** in swiftly **ramping up design projects** with competent cross-functional skills and ensuring on time deliverables using AutoCAD (2D&3D), Autodesk Inventor, MS Office Suite and Most 2D
- Expertise in **managing design engineering operations** entailing design & development, developing detailed drawing for fabrication and coordinating with internal departments; excellent at **creating 2D conceptual sketches from inception** of the design process to finalization the product
- Strength in AutoCAD designing and managing **prototype designing, assembling and trials**; successfully managed "Agglomeration Process Plant" and "Mining Equipment Fabrication" projects
- Exceptional in **creating, reading & interpreting engineering drawings** with proficiency in designing & developing new products in conformance with pre-defined technical specifications; sound knowledge of ISO, Safety & Quality
- Recognized for managing multiple tasks and projects in manufacturing process simultaneously

Areas of Expertise

- Project Management
- New Product Development
- Design Engineering
- Product Analysis
- Prototype Manufacturing
- Documentation
- AutoCAD (2D & 3D)
- Autodesk Inventor
- Resource Planning

EMPLOYMENT DETAILS

Mar'13 – till date: L&T Ltd., Kolkata

**Key Result Areas Across Growth Path
As Technician (Design & Planning)**

Mar'17 – till date

Assignment: L&T Engineering Workshop, Kanchipuram

- Preparing drawings, applying GD&T, Critical and Significant Characteristics and conducting component tolerance studies & assembly stack evaluations; creating detail drawing and developing design of Power Plant & Mining equipment (Stacker and Reclaimer) along with 3D Modelling of equipment & structural modelling
- Providing technical inputs and engineering support from conception to completion stage of the product; analyzing & producing technical requirements & specifications and recommending design modifications based on client's requirements
- Facilitating assembly, sub-assembly, manufacturing and fabrication drawing along with drafting estimate & costing for proposal engineering
- Prioritizing material cutting planning and development of profile as per allowance for rolling operations
- Devising Nesting Plan, CNC Programming for Plasma and Oxy Fuel Gas Cutting Machine
- Extensively working on Project/Product Design entailing:
 - Sinter machine/sinter cooler equipment of steel plant
 - Stacker and reclaimer for coal handling project
 - Primary gas cooler for coke oven battery, surface condensers/de-aerators for power and steel plant
 - Pelletizing disc, blast furnace equipment, tank, hopper duct, reducer and mitres

As Technician (Design & Drafting)

Mar'13 – Mar'17

Major Projects

Project: Metallurgical and Material Handling IC, Engineering Design and Research Centre, Kolkata

- Created GA and overall Plot Plan drawing as per design input and detail/basic engineering drawing & fabrication drawings in respective areas (sinter plant, pellet plant) on EPC basis
- Prepared:
 - PFD and P&ID Design (symbol representation and project standard tag)
 - Isometric and 3D Modelling of equipment & structural modelling
 - Drawing for sheet metal design
- Finalized requirements & specifications in consultation with engineering consultants / collaborators, external suppliers, contractors and clients
- Reviewed engineering drawings & technical specification, updated drawings, calculated BOM and negotiated with suppliers / contractors as per client's / project's requirements

Project: Tata KPO Sinter Plant (Tata Steel Limited, Kalinganagar, Odisha)

- Developed GA & detail drawing and different mechanical area layout, fabrication drawing of conveyor chute, hopper, raw material bins, hot gas duct & so on
- Made piping isometric drawing from GA drawing

Project: TATA Pellet Plant (Jamshedpur)

- Prepared GA & Detail Drawing and different mechanical area layout and fabrication drawing
- Engaged in drawing of utility and HVAC system
- Ensured site-based design verification, sizing and selection of equipment

Project: LSA Pipe Mill Project (Sennat, Abu Dhabi, UAE)

- Worked on GA & Detail Drawing and different mechanical area layouts
- Created piping & instrumentation diagrams entailing sizing and selection of equipment

Significant Accomplishments

- Operated as Design & Planning Team Member of "Agglomeration Process Plant" and "Mining Equipment Fabrication"
- Acknowledged as Top Performer in the company for last 3 years
- Escalated Overall Operating Efficiency (OEE) by 5% through measures by using AutoCAD and Most 2D
- Successful in reducing rejection rate of the product by 2-3% through various measures
- Gained knowledge of Penetrant Testing, Magnetic Particle Testing, Ultrasonic Testing and Radiographic Testing
- Independently and successfully executed the various projects on product development

ACADEMIC DETAILS

- Pursuing B.E. (Mechanical Engineering) from WBUT
- Diploma Mechanical Engineering from Shri Ramkrishna Institute of Science & Technology, Kolkata, W.B.S.C.V.T. with 71.20% in 2018
- Draughtsman Mechanical from Industrial Training Institute, Gariahat under N.C.V.T. with 74.92% in 2012
- XII from Khandalia High School, W.B.C.H.S.E. with 61.60% in 2010
- X from Pana K. C. High School, W.B.B.S.E. with 65.75% in 2008

TECHNICAL SKILLS

- MS-Office, AutoCAD, Autodesk Inventor, Plant 3D, Most 2D
- ASNT NDT Level II (Penetrant Testing, Magnetic Particle Testing, Ultrasonic Testing, Radiographic Testing)

Date of Birth: 23rd January 1993 | **Languages Known:** Bengali, English and Hindi

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