

## ALOK PRASAD

**OBJECTIVE** To be able to excel at my work with best of my effort in achieving the organization goal through my academic, technical and Managerial abilities and understanding based on continuous learning and able to grow with a progressive organization.

**SKILLS & ABILITIES**

- CATIA.
- WINDCHILL
- Solid works
- NX Unigraphics.
- Creo
- "Total quality management" Lean- Six sigma.
- Process Planning & control.
- Operational Management with six sigma (IIM Raipur)

### EXPERIENCE **SENIOR PRODUCT ENGINEER, TRANE TECHNOLOGIES (Contract)**

Jan-2023- Present

**Work description:** 1. Design and development of industrial/Engineered product, new Product Builds & Determines root cause analysis for issues that arise during assembly and/or test of systems; drives Short term & Long-term corrective actions. 2. Interfaces with Engineering functions to coordinate the release of New Products or/and product improvements. 3. Implementation of work instructions & SOP to clearly explain how a particular work or task is performed. 4. Creation of PR for project and handling end to end through Windchill. 5. PTC Creo · Windchill · Product Design · Production Management · Product Development · Design Failure Mode and Effect Analysis (DFMEA) · Geometric Dimensioning & Tolerancing · Tolerance Analysis. RCA (Root cause Analysis).

#### **NPD ENGINEER, ENVENTURE ENGINEERING LLP**

Mar 2022-

**Customers:** - U.S.A Clients.

**Work description:** 1. Design and development of industrial/Engineered product. (**Software- CATIA, solidworks, NX**) 2. Various phase of product realization and product development. 3. DFMEA, DFX and design related tools. 4. Basic engineering calculation and FEA simulations. 5. Perform research on appearance, safety, function, serviceability, budget, production costs/methods, and market characteristics 6. New development of design concept for complex mechanical system & sub system, machine design from early-stage concept to creation of prototype 7. Calculation of geometric dimensioning and tolerance stack up analysis.

#### **SENIOR ENGINEER-DESIGN, BANKA BIOLOO LTD.**

April 2020- Feb-2022

#### **ASSOCIATE DESIGN ENGINEER, BANKA BIOLOO LTD.**

June 2019- April 2020

**Customer:** Indian Railway (IR), Other govt. /Pvt. Organizations.

**Work description:**(1) Developing products from concept to factory production while keeping within budgets and

timelines. (2) Work with engineering, marketing, production, and/or sales departments to establish and evaluate design concepts for manufactured products. (3) Advocating for new products through the entire design and production process from early-stage concept to creation of samples and mass production and Coordinating with Production . (5) Basic knowledge of Electro-mechanical devices, electrical wiring, connectors, electric motors, turbine & pumps, hydraulic & pneumatic cylinders, fluid mechanics (6) Optimize design through DFM/DFMEA, reliable study. (8) Product design related to machining, sheet-metal, welding & structural design using 3D modelling & 2D.

#### **POST GRADUATE ENGINEER TRAINEE , SAMARTH ENGG.CO.PVT.LTD**

June 2018-june 2019

**Customer:** M/s Tata Motors Ltd., M/s TML Drivelines Ltd., M/s RSB Global, M/s Auto profile Ltd.,

#### **PRE- PROFESSIONAL EXPERIENCE**

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1. Industry Internship Program on Automobile and Engine Designing Using Reverse Engineering. In Association Certified by SGT-International, Wiziq, GOM-Germany, APM Technology & Metawing Technology Pvt. Ltd.

**Summary:** - Learned about reverse engineering and its vast application in today and upcoming designing field.

2. Summer Training at **NTPC** Limited, (A Govt. Of India Enterprise), Barh , Bihar.

**Summary:** - I had done a month summer training, where I had learned about power production and distribution throughout area.

3. Summer Training at **TATA MOTORS** (PANDIT AUTO.), pune, Maharashtra.

**Summary:** - Learned how to detect problems and to provide appropriate solution to all TATA hatchback and SUV vehicles.

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#### **EDUCATION**

##### **IIM RAIPUR (CERTIFICATE COURSE), 2022**

Operation management with six sigma (Green Belt certified)

##### **CENTRAL TOOL ROOM AND TRAINING CENTER-BHUBHANESHWAR, 2018**

Post graduate in Tool Design – 75.8%

##### **AMITY UNIVERSITY-GREATER NOIDA, 2016**

B.tech (Mechanical)-63.94%





