**Diwakar Kumar Pal**

Kalepadle, Hadapsar

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**Objective**

I would like to pursue my career in a work environment that will utilize and reinforce my technical skills and abilities and also to apply and gain new cutting edge skills and experience in a rapidly changing field.

**Qualification**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Degree** | **Specialization** | **Board / University** | **Percentage** | **Year of Completion** |
| Bachelor of Engineering | Mechanical Engineering | Rajiv Gandhi Proudyogiki Vishwavidyalaya | 80.00 | 2015 |
| Higher Secondary | Science | Bihar School Examination Board | 72.2 | 2011 |
| High School |  | Bihar School Examination Board | 67.4 | 2009 |

**Professional Summery**

* Three year experience in product design & development in the area of Mechanical Seal, SPM, Robotic cell, Hydraulic press & Assembly line
* Good understanding of GD&T standard
* Evaluate feasibility of design ideas, based on factor such as appearance, safety, function, serviceability, cost
* Proficient in part modelling, assembly, drafting in Solidedge ST8.
* Ability to prepare basic design concept as per customer requirements
* Good visualization skills helpful in solving problems that might arise in the field

**Experience**

**EagleBurgmann India Pvt Ltd, Pune** (From 26 Oct 2017 to till date)

Designation: Design Engineer

Software:- Solidedge ST8, TeamCenter, Documentum Webtop, SAP & e.t.c

Description:

* Working on Solidedge ST8 & TeamCenter
* Working for Germany only
* Prepare design of different type of mechanical seal (Cartex, Apitex, Metal bellow, H75, SH) for Pump
* Good knowledge of API Plan
* Prepare detailed and top assembly drawing of mechanical seal
* Getting approval from customer
* Prepare BOM as per top assembly

**JK Automation & Technology Pvt Ltd, Pune** (From 11th July 2015 to 10 May 2017)

Designation: Mechanical Design Engineer

Software: Solidedge ST5 and AutoCAD 2010

Description:

* Worked on software Solidedge ST5, Autocad
* Understanding customer requirements
* Arrange the CFT(cross functional team ) and discuss the basic design concept and taking their suggestion
* Prepare basic conceptual design as per customer requirements
* Getting conceptual design approval from customer for actual design

P.T.O.

* Preparing the time estimation work sheet for the project
* Working on actual design of the approved project considering all feasibilities
* Creating BOM as per design & customer requirements
* Creating the manufacturing and assembly drawing with proper GD&T details
* Prepare all assembly part drawing and check by authorize person
* Finally released the part and assembly drawings for manufacturing

**Software**

|  |  |  |  |
| --- | --- | --- | --- |
| **Software** | **Competency** | **Level of Skill** | **Training centre/organization** |
| Solidedge ST8 | Part Modelling, Assembly, sheet metal, Drafting | Excellent knowledge in Part Modelling, Assembly, sheet metal & Drafting | JK Automation & Technology pvt ltd, Pune |
| CATIA V5 | Part Modelling, Assembly, sheet metal, Drafting | Good knowledge in Part Modelling, Assembly, sheet metal & Drafting | CRISP, Bhopal |
| ANSYS 10.1 | Structural analysis | Good knowledge in structural analysis | SISTec, Bhopal |
| Auto CAD- 2013 | Drafting, detailing | Good knowledge in Drafting | JK Automation & Technology pvt ltd, Pune |

**Project**

**Major Project** (12st Feb - 21st May, 2015)

**(Structural & Vibrational Analysis of Aircraft Wings)** at (SISTec, Bhopal)

Description:

* The Project deals with the different stacking angles of composite materials used in making aircraft wings
* The Project consists of 3D-modelling, Node meshing and analysis on ANSYS.
* This analysis results in reduction of fluttering speed of Aircraft Wings.

**Minor Project** (1st March-31st March, 2014)

**(Power Generation Through Low Heat Source)** at (SISTec, Bhopal)

Description:

* Only one time feeding is required in the power plant.
* The power plant could generate electricity for long period till any leakage does not occur in it.
* The source used for providing heat to the working fluid is easily available and heating sources can be those which uses renewal sources of energy.

**Certification**

* Certificate in Catia
* Certificate in Ansys
* Certificate in RC Aircraft conducted by IIT Kanpur Skyfy lab
* Certificate in IC Engine workshop conducted by BOSCH Service

**Hobby/Activity**

* Secured 3rd position in "Dominos effect" event in IISER, Bhopal
* Won 1st Position in State Level Model Competition (SRIJAN-2013)
* Won best design award in RC Aircraft fabrication and flying conducted by Aerotrix
* Organised a workshop on RC Aircraft for 2nd year student in collaboration with college faculties

**Skills**

* Problem solving
* Hard working, Team Player, Good Time manager
* Good ability to analyse information

P.T.O.

* Good Communication skills

**Personal Details**

Date of Birth 15-06-1994

Place of Birth Gopalganj, Bihar

Nationality Indian

Language Hindi, English

Passport No P2006882

I hereby declare that the statement made above is true and correct to the best of my knowledge and belief

Signature

Diwakar Kumar Pal

Place:

Date: