

Profile summary

Manish is a Mechanical Engineering design professional with about 3 years of experience in Design & development of mechanical and electrical security products from concept to product. He has involved in complete product development cycle and has experience in product R&D documentations as per standards. He has test experience of various home security products in his current assignment in Havells India limited. A self and environment based motivated person, eager to learn and implement new concepts ideas currently looking for better and permanent opportunity in a visionary organization.

Experience showcase

Havells India Limited

Dec 2017 to present

Design Engineer

I am working as onsite Design Engineer through ANH Engineering Services Pvt. Ltd. Involve in various projects as Design solution provider.

Project name: MCB's of breaking capacity 4.5/6/10kA

- Participating in various design projects from concept to completion.
 - Working on Creo/Pro-E 5.0.
 - Producing drafts, prototypes and engaging design solution.
 - Prepare new Part, Assembly, Sheet Metal, Surface Designs and Drawings for NPD.
 - Listening to feedback to improve skill and design.
 - GD&T insertion for more accuracy and precision.
 - Tech Review with Prototypes.
 - Reverse Engineering.
 - Applying mechanism
 - Drawings Control.
 - Responsible for any Engineering Change Control (ECN).
- I have designed a new mechanism **SNAP PUSHER** for the switch gear family.

Project: Changeover and isolator 80/100/125kA

- Prepare new Part, Assembly, Sheet Metal, Surface Designs and Drawings for NPD.
- Working on Pro-E 4.0, 5.0.
- GD&T insertion for more accuracy and precision.
- Tech Review with Various Customers.
- Reverse Engineering.
- Applying mechanism
- Drawings Control.
- Responsible for any Engineering Change Control (ECN).
- Responsible for PPAP Documents at the time of NPD.

Project name: Distribution link and communication Bus Bar

- Prepare new Part, Sheet Metal, Design and Drawing for NPD.
- Participating in various designs concept from Concept to Completion.
- Working on Creo 5.0.
- Making changes According to the Mold Flow Analysis.
- Making changes According to the Prototype feedback to improve the Design.
- Drawing Control.
- Applying Mechanism.
- Preparing Instruction Manual.
- Observations, Testing, of Prototype.
- Responsible for any Engineering Change Note

Design Engineer

MICRO TURNERS Group, founded in 1969 (started with name A K Automatics) is one of the largest integrated automotive component manufacturers in India. The Group is well positioned in the Indian Auto and Non-Auto component markets. Micro Turners is mainly into the manufacturing of Transmission Gear Train Assembly, Kick Start Mechanism, Gear Shifting Towers & Forks, All types of Sprockets, Ratchets, Pinions, Special Engine Fasteners, Clutch Shafts, Armature Shafts, Spline Shafts, Balancer Shafts, Bearing Races & Rings, 2-WHD Chassis Assy, Fabricated Frames, Muffler Assy, Swing Arms, 2-WHD Axles, Precision Ground Bushes and Special Turned Components.

- Converts Drawings to 3D model.
- Analyze Models created on Creo.
- Creates Assembly of Different family Models.
- Apply Mechanism to Assembly.

Mechanical Design Skill set**Design Tool:****PTC Creo 3.0, 4.0, 5.0**

- Part Modeling.
- Reverse Engineering.
- Sheet metal.
- Surfacing.
- Assembly Design.
- 2-D Drawing Preparation.
- Mechanism.
- Applying GD&T as applicable.
- Modifying Design according to Havells Products Family.
- Part Qualification.
- Using Virtual Measuring Machine (VMM) for part modeling and part qualification

Auto CAD Tool

- Basics of Auto CAD 2D/3D.

Project Management/Documentation:

- Wind Chill (PDM/PLM).
- Microsoft application
- PMO

Training Undergone

Did four weeks Industrial Training on PISTONS OF DSL LOCOS AND SCUFFING OF PISTONS in Locomotive Workshop Northern Railway, Charbagh, Lucknow as a Trainee.

Educational Portfolio:

- **Bachelor of Technology** from AKTU, Lucknow in year 2016 with First Division.
- **Higher Secondary** from UP Board in year 2012 with First Division.
- **Matriculation** from CBSE Board in year 2009 with First division

Field of interest:

- Design & Developments of new Products
- Working on new Concepts
- Automobile Ancillaries

Attributes:

- Fast learner.
- Hard work with positive approach
- Good Team Member.

Personal Details:

- Father's Name : AJAY SINGH KUSHWAHA
- Date of Birth : 15th May, 1994
- Marital status : Unmarried
- Nationality : Indian
- Languages Known : English and Hindi
- Permanent Address : Kesharuwa, Odrai, Ghazipur,
Uttar Pradesh 275202.

Date: 08-May-19

MANISH SINGH KUSHWAHA