

PRAJWAL MAHAJAN

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Career Objective:

Strive to exhibit my skills and passion to work at a dynamic workplace, where-in I can further enhance my skills to achieve common goal of organization.

Profile Summary:

- Professional training in **Casting, Plastic and Sheet Metal Design Domain.**
- Proficient in CREO 3.0 with detail emphasis in **Sheet Metal, Plastic & Casting part Design.**
- Good knowledge of **GD&T.**
- Proficient in **Parametric modelling, Surfacing, Drafting.**
- Knowledge of **Assembly, Bill of material.**
- Basic knowledge of **AutoCAD.**

Educational Qualification:

- B.E in MECHANICAL ENGG. From SIEM, Nashik (SPPU), 66.66%
- Maharashtra State Board Higher Secondary Education, (12th) 68%
- Maharashtra State Board Secondary Education, (10th) 86.80%

Professional Training:

Institute Name: Helix Integrated Learning

Course Name: Helix Certified CAD Engineer

Duration: July 2019 to Present

Projects Done:

1. Design, 3D Modeling and Detailing of Casting Component

Component: Pulley, Elbow

- The project involved preparation of 3D model
- Detailing with application of GD&T
- Part design with design consideration
- Selection of material and manufacturing processes.

2. Design, 3D Modeling and Detailing of Battery Bracket

- Sheet metal part designed with design consideration, with their manufacturing process.
- Creating parametric model with detailing.
- Application of GD&T and creating bend order table.

3. Design 3D Modeling and Drafting Of Knob Body (T-handle)

- The project involved parametric Modeling.
- Detailing with application of GD&T.
- Selection of plastic material and manufacturing processes.
- It is used to control various parameters of instruments.

Internships:

- Summer internship at **IIT Guwahati**. (2018)

Description: During the period of research internship at **IITG**, gained knowledge and practical experience in field of natural convection dryer.

- In-Plant winter training at **Bhusawal Thermal Power Station**, Deepnagar. (2017)

Description: During the inplant winter training at Mahagenco's Bhusawal Thermal Power Station, gained the knowledge in the field of power plant working, boiler Operation coal handling system, steam turbine working.

Academic Project:

- Project on “**Design and Development of Green Dryer using Natural Convection.**”

Solar drying refers to a technique that utilizes incident solar radiation to convert it into thermal energy for drying purpose. In above dryer we made arrangement to store heat with the use of PCM and different stages for long effect of drying. Dryer is designed for drying agro products using solar radiation without external source of energy.

Achievements:

- ✓ Two Research papers published in **International Journals (IRJET and IJETT)**.
- ✓ SEA INDIA (Sustainable enterprise award) **semi-finalist**.
- ✓ Represented Institute in **AVISHKAR** competition conducted by university (**SPPU**)

Personal Details:

Date of Birth	21 April 1997
Marital Status	Unmarried
Nationality	Indian
Permanent Address	18-Vinayaka Colony, Bhusawal, 425201
Languages Known	English, Hindi and Marathi (Native).

Declaration:

I hereby declare that the above information is correct to the best of my knowledge.

Place: Pune.

Date :

Prajwal. A. Mahajan