

**Address:**

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Career Objective: Post graduate in Mechanical Engineering (CAD/CAM and Robotics), Seeking a position to utilize my skill that offers a professional growth while being resourceful, innovative and flexible.

Interest.

- Manufacturing
- Product design
- Process Engineering
- Machine Vision System
- Industrial Robotics

Education.

Degree	College	Percentage
Masters of Engineering in Mechanical Engineering (CAD/CAM & Robotics) (2020).	Fr.Conciecoa College of Engineering, Bandra. (University Of Mumbai)	8.71 CGPI
Bachelors of Engineering in Production Engineering (2018).	Fr.Conciecoa College of Engineering, Bandra. (University Of Mumbai)	7.24 CGPI
Senior secondary(2014) HSC.	Thomas Baptista Junior College, Vasai.	75.69
Secondary(2012) SSC.	Holy Cross High School Nirmal.	87.09

Software Exposure.

- N X 5.
- AUTO CAD.
- MATLAB.

Membership.

- Member of NSS (National service scheme) from 2015-2017.

List of Conference Attended.

- Second International Conference on Materials Science and Manufacturing Technology 2020 (ICMSMT 2020) held at Hotel Aloft, Coimbatore, Tamil Nadu, India during 09 - 10, April 2020
- International Conference on Recent Innovations in Engineering and Technology (ICRIET – 2020) held by Nandha Engineering College, Erode, Tamil Nadu, India during 04-05 ,December 2020

Online Certification (Professional Development).

- **Health Science Academy .**
 1. Nutrition starter Course.
 2. Health coaching fundamentals.
- **Charles Sturt University .**
 1. Health coaching fundamentals.
 2. Personal and Professional Growth.
- **Alison Academy**
 1. Yoga Exercises for Core Strength and Flexibility

Projects.

- **Masters Degree Project-Metrology based Research project for calculation of Taper angle and Taper error of work piece.**

Details of M.E Project-

1. Study of Image processing tool box and various image processing algorithm for analysis of work piece.
2. Fusing machine vision and Interferometry for analysis of work piece.
3. Creation of Matlab program and algorithm for analysis of fringes formed on work piece due to interferometry.
4. Calculation of taper error and taper angle of the work piece in micro/nano meter range.
5. This novel method of calculation can be used by industries which require accuracy in micro/nanometer range.

- **Bachelors Degree Project-Estimation of tool life in industry by Industrial method and Theoretical method.**

Details of BE projects-

1. Various types of tools (inserts) were studied.
2. Wear of tools were found out.
3. Setup of work piece was studied.
4. Tool life was found out by Taylor's equation and compared with industrial method.

- **Second year project-**Completed projects on Hydro Forming.
- **Third year project-**Collets & Resistance welding

List of Research Publication.

- **Dabreo PW**, Joshi KN, Patil BT, Kokate MB. Machine vision based interferometry for measurement of flatness error in micro and nano manufacturing. In IOP Conference Series: Materials Science and Engineering 2020 Jun 1 (Vol. 872, No. 1, p. 012066). IOP Publishing.”, Second International Conference on Materials Science and Manufacturing Technology (ICMSMT 2020)
- **Dabreo P.** Evaluation of Surface Roughness Using Interferometry–A Review. International Journal of Research in Engineering, Science and Management. 2020 Jul 13;3(7):20-2.
- **Dabreo Prince**, Samhita Pashte, Larisa Dmonte, Lavin Dabre, “Estimation Of Tool Life By Industrial Method And Taylors Method Using Coated Carbide Insert In Turning Of Work-Material SS316L” International Conference on Recent Innovations in Engineering and Technology (ICRIET – 2020)(Accepted)

Academic Experience.

- **Excellence Engineering Academy**-11th January 2020 – 21st March 2020
Teaching Applied Mathematics for Diploma and Degree.
- **PHOENIX-explore.learn.stand out**-9th July 2019 – 19th September 2019
11th and 12th Science (HSC) Math's lecturer.
- **Vishal Tutorials**-10th July 2018-12th March 2020.
8th, 9th and 10th Science lecturer-SSC board.

Industrial Experience.

- In plant trainee at **Gemson Precision Engineering** from 6th November 2017 to 6th April 2018
- Trained under the following departments
 1. CNC, VMC Department-Operating and mass production.
 2. Quality Department-In process inspection, checking of gauges and its wear, worked under inward section.
 3. Production Planning and Control Department-Generating of route card, data entry, learning of sequence of machines.
 4. Marketing and Costing Department-Preparation of cost sheet for a given set of products.

Declaration.

I hereby declare that the above mentioned information is correct and I bear the responsibility for correctness of the particulars

Prince Wilson Dabreo