

**AKSHAY DESHMUKH**

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**OBJECTIVE**

Expand management responsibilities, perk up organizational ability to go beyond corporate goals, and assist honor all long-standing commitments made to customers stockholders, workers and the communities in which we live.

**QUALIFICATION**

Degree	Institution	Year of Passing	Grade
BE	Dr. D.Y Patil Institute of technology Pimpri Pune	2019	8.17
Senior Secondary Examination	Army Public School Jalandhar Cantt.	2015	86.8%
Secondary Examination	Army School Bhopal	2013	89%

**PROJECT DETAILS****PROJECT : 1**

**Title :** Simulation and Experimental Analysis of Blower for Performance Improvement by Coanda Effect

**Description :** Coanda effect has been an interesting topic for research for scientist for years. Coanda effect is the tendency of the fluid to get attached to the adjacent surfaces while the air is flowing is passing along the wall boundary. This phenomenon of Coanda effect is being used in this project to increase the volume flow at the outlet of the blower. This article presents the simulation and experimental analysis of the project for the modification of the blower using Coanda effect. The project was conducted to get improved higher volume flow rate at outlet of the blower and get analysis of Coanda effect for various surfaces. The CATIA software was used to draw 3D model for the simulation and the simulation analysis was conducted in ANSYS FLUENT. The practical analysis was done with help of proper setup and equipment's under atmospheric pressure. The result of both simulation and practical are presented in form of graphical representation of pressure, velocity and outlet discharge distribution along the distance below. The motive of the article was to get higher outlet discharge using the principle of Coanda effect and article justifies the use of Coanda effect to get the higher amount of discharge at the outlet of the blower.

**Duration :** 8 months

**Role :** Team leader + Simulation analyst

**Team Size :** 5

## **PROJECT : 2**

**Title :** Gyro Car

**Description :** It is a two wheel car which has a attached gyroscope . Gyroscope is a device consisting of a wheel or disc mounted so that it can spin rapidly about an axis which is itself free to alter in direction. The orientation of the axis is not affected by tilting of the mounting, so gyroscopes can be used to provide stability or maintain a reference direction in navigation systems, automatic pilots, and stabilizers. Hence a two wheel car was stabilized using gyroscope .We also used arduino for checking its stability .

**Duration :** 4 month

**Role :** Team leader

**Team Size :** 4

## **FIELD OF INTEREST**

- Management of projects
- Analytical work
- Working with bigger firms
- Teaching [Maths and Physics]

## **SKILLS**

- Disciplined and confident with excellent communication skill
- Computer Knowledge
- Leadership
- { Software skill } CATIA, CAD, CAM and ANSYS FLUENT
- Analytical skills
- Hardworking and flexible

## **INDUSTRIAL EXPOSURE**

**Industrial Visit at :** Someshwar Sugar Factory Baramati , Keihin FIE Pvt. Ltd.  
Ace Kudale Motors Bhosari , Bhandardara dam

## **ACHIEVEMENT**

- I was among top five in class 10 result in school
- I am having distinction in all subjects of class 12
- I had tutored 8 student which resulted in increase of their academic percentage.

## **CO-CURRICULAR**

- Performed a comedy act with friends during vacations
- Participant in dance competition for continues 2 year

- Participated in basketball matches in school team
- I had worked as a member of Rotract club and MESA club of my college

## **STRENGTH**

- Quick learner
- Confidence
- Good Communication
- Positive Personality
- Simplicity

## **HOBBIES**

- Dance
- Numismatics
- Playing basketball

## **DECLARATION**

I hereby declare that the above mentioned details are true to the best of my knowledge.

Place : Pune