



Prajakta Jagtap

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Nashik, Maharashtra

About

A passionate and hard-working Mechanical Engineer. Having good listening skills with strong sense of teamwork. Highly interested to work as a Mechanical Engineer.

Education

Bachelor of Engineering (B.E.), Mechanical Engineering (2017-2021)
Sandip Institute of Engineering and Management, Nashik.

CGPA : 8.44 (First Class with Distinction)

XII (Higher Secondary), Science (2017)

Maharashtra Higher Secondary State Board

Percentage: 74%

X (Secondary) (2015)

Maharashtra Secondary State Board

Percentage: 90%

Skills

Soft skills: Team work, Decision Making, Work Ethic, Time management

Software: AutoCAD, Pro-E, MATLAB, MS Office

Languages: Basic C programming

Internships

ALF Engineering PVT. LTD.

(May 2019 - Jun 2019)

General tasks given during internship period

1. Monitor the design procedure, right from design sheets, to analysis of part on different analytical software like Katia, Creo, etc. of company's mainly two products. Learning about parameters which one should look at while designing and analyzing in real-time.
2. General working of every department in the company and how they work together.
3. I invested my measure of time in working with Quality Control department.
 - Sampling, inspection and testing of raw material, in-process product (for release or rejection for further processing), final product, etc.
 - To plan and manage all the activities of the Quality Control department to assure the quality.
 - To co-ordinate with manufacturing department in controlling their process and products at every stage of manufacturing to meet the established specifications through testing, auditing and reporting.

Projects

Wall Climbing Robot for Inspection

(Aug 2020 – Feb 2021)

- As human safety is main concern irrespective of any work to do.
- We as a team questioned our self how the inspection and maintenance works at higher places or places out of human reach can be performed without any risk for human life.
- Further when we studied we found out WCR's are been widely used for ferromagnetic materials and thus we thought for the inspection of composite materials.
- And hence we solved the problem to attain different adhesion and locomotion methods on composite materials.

- We – firstly collected reliable information then market analysis, selection of material, calculations for different parameters, design & assembly of parts using creo, analysis using CFD, manufacturing, testing and then report was done.
- In which my main work is to carry out the calculations for different parameters like suction pressure, velocity, required rpm of EDF for respective weight of design, etc.

Project under Smart India Hackathon (SIH):

(-2020)

- A Nationwide initiative to provide students a platform to solve engineering related social problems across India provided by government.
- Problem statement: - Cost Effective Solar Powered Smart Irrigation Systems (provided by Government Of Uttarakhand).
- We successfully carried out this project and tried to give best solution.

Competition

- Paper Presentation : (-2020)
Participated in Virtual International Conference held at sandip institute of engineering and management college on the topic self healing coatings.
- ISRO Space Quiz: (-2019)
Space quiz held by ISRO and MYGOV
- Mahindra & Mahindra Essay and poster Competition: (-2018,2012)
Safety, occupational health and environment competitions 2018- 2nd prize 2012- 1st prize
- Maharashtra Talent Search Examination: (-2014,2013)
MTSE exam conducted across the Maharashtra state.
- Green Olympiad: (-2014)
The international level competition to test students' knowledge about environment conditions and to spread awareness about it.

Extra-curricular activities

- German Language (Level-2)
Level1- A+ Grade (-April 2019)
Level2- A Grade (Aug-Sep 2019)
- State Level Tennis Ball Cricket Championship-(2013) 11th Maharashtra State Junior Tennis Ball Cricket Championship Under-19 Organized by Pune District Tennis Ball Cricket Association.
- State Level Cricket Championship- (2014-2015)
State Level Montex Ball Cricket Championship Held at Jalgaon.
District Level Season Ball Cricket Matches C.K.Naidu cricket matches.
- Bharatnatyam
Level1 – With Distinction (2020-Present)
- NSS Camp
Cleanliness drive, educate rural people, to learn from rural people, etc.
- Participation in Geetajayanti Elocution + Essay contest
Participate in Geetajayanti Contests Every Year in December.
- Position of Responsibility
National Level Technical Festival :
MECHSUMMIT 2K19 – Chess Coordinator

Personal Details

Date of birth: 15th of August, 1999.

Address: 'Shreeranga', chanakya nagar, kamatwade shivar, Nashik 422008.

Languages known: English, Marathi, Hindi.