



BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

To get an opportunity where I can make the best of my potential and contribute to the organization's growth. Also, I can gain experience and thereby enhance my knowledge.

KEY EXPERTISE / SKILLS

HTML CSS Javascript Python Internet of Things CATIA ANSYS

EDUCATION

MIT Academy of Engineering, Pune

2019 - 2023

B.Tech. - Mechanical Engineering | CGPA: 7.29 / 10.00

Karmyogi Polytechnic College Shelve, Pandharpur, Solapur

2020

Diploma | Diploma - Mechanical Engineering | MSBTE | Percentage: 88.46 / 100.00

Ghanand High-School Ghanand, Sangli

2016

10th | Percentage: 78.00 / 100.00

INTERSHIPS

Enerture Technologies Pvt. Ltd.

15 Jun, 2022 - 30 Jul, 2022

Key Skills: Solar Energy Solar Problem Solving Site Management Manufacturing

During this internship, I worked on "Solar Power Plant Installation and Site Analysis". In this internship I was demonstrated my skills and knowledge with self-motivation to learn new skills.

PROJECTS

Innovative and Affordable Model of Crop Protector

15 Aug, 2021 - 27 Nov, 2022

Mentor: Prof. A. J. Asalekar | **Team Size:** 4

Key Skills: 3D Modeling Internet of Things Ansys Presentation Skills Communication Skills Fusion 360

In this project we are proposing the system which prevents the Spoilage of crops due to heavy rains. This is achieved with Embedded system design using IOT technology. The actual Concept of this project is protecting the crops from heavy Rainfall by covering the field automatically and also to save the Collected rainwater. In order to achieve this, in this system we Use Rain sensor and soil moisture sensor.

Design Of Thermoelectric Air Conditioner

31 Jan, 2021 - 30 Jul, 2021

Mentor: Prof. R. A. Patil | **Team Size:** 4

Key Skills: Refrigeration CATIA Airflow Engineering Drawings Semiconductors

In this Project the Thermoelectric module (Peltier module) is used to produce colling effect and without use refrigerant, also without using the components like Compressor, Evaporator, Condenser, etc.

Solar Desalination Unit

15 Jul, 2019 - 30 May, 2020

Mentor: Prof. S. Dongare | **Team Size:** 4

Key Skills: Evaporation Purification Solar Energy

In this project, see or salt water is evaporated, using the energy of sun then the vapor condenses as pure (drinkable) water.

Fitness Hub And MyOnlineMeal.com

Team Size: 1

Key Skills: HTML CSS

Using HTML And CSS to build a websites. following are the links to the websites.

1) Fitness Hub - <http://127.0.0.1:5500/project/index.html>

2) MyOnlineMeal.com - <http://127.0.0.1:5500/project2/index.html>

PUBLICATIONS / RESEARCH / WHITE PAPERS

CFD analysis of Drag Reduction System (DRS) in cars.

16 Dec, 2022

FMFP2022-XX-YYY | Mentor: Dr. P. Kothmire | No. of Authors: 6

Key Skills: ANSYS Presentation Skills Conferences

In this Paper, we aimed to do a CFD analysis of the Drag Reduction System on standard NACA 2408, 2412, and 2415 airfoils. Drag coefficient, lift coefficient, and velocity contours were studied to examine the overall aerodynamic effect on vehicle aerodynamic performance and optimize rear wing geometry. Also, this study aims to compare Drag coefficient at various positions of drag Reduction System (DRS), this will give optimized Angle of Attack (AoA) for better performance.

SEMINARS / TRAININGS / WORKSHOPS

Introduction to Finite Element Analysis using ANSYS Institute Name: MIT Academy of Engineering, Pune 30 Sep, 2022 - 02 Oct, 2022

Key Skills: ANSYS

National level workshop on 'Multi criteria Decision making methods'

22 Mar, 2022 - 24 Mar, 2022

Institute Name: MIT Academy of Engineering, Pune

Key Skills: Decision-Making Leadership Skills

EXTRA CURRICULAR ACTIVITIES

- Participants in cricket event at MIT Academy Engineering Alandi, Pune.

PERSONAL INTERESTS / HOBBIES

- Playing Cricket, Trawling, Swimming, Reading, etc.

WEB LINKS

- LinkedIn - <https://www.linkedin.com/in/nimesh-zanje-522768237>

PERSONAL DETAILS

Gender: Male

Marital Status: Single

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