



BRIEF SUMMARY

• I am a final-year mechanical engineering student at MIT Academy of Engineering, Alandi, Pune, actively pursuing my BTech degree. •Over the summer, I undertook a two-month internship at Parivartan Innovation Private Limited, where I gained valuable insights into the conversion of petrol vehicles into electric ones. •Currently, I am contributing to the field as an intern in the Project and Planning Department at Meson Valves India Limited, a part of the Meson Group. Here, I am involved in the manufacturing of a diverse range of valves, crucial components utilized in "Indian Navy warships". "Passionate mechanical engineer with a track record in project management, problem-solving, and cross-functional collaboration, ready to excel in challenging engineering roles."

KEY EXPERTISE

Project Management Problem Solving Communication Technical Proficiency Team Collaboration Leadership
Continues Learning Mechanical Ansys Problem Analysis Microsoft Office Microsoft Excel Ethics And Integrity

EDUCATION

MIT Academy of Engineering, Pune B.Tech. - Mechanical Engineering CGPA: 8.92 / 10	2020 - 2024
Government Polytechnic, Jalgaon, Jalgaon Diploma Diploma - Mechanical Engineering - Mechanical Engineering MSBTE Percentage: 92.77 / 100	2021
Sarvajanik Vidyalaya, Asoda, Jalgaon, Jalgaon 10 th MSBSHSE Percentage: 80.20 / 100	2018

INTERNSHIPS

Meson Valves India Ltd. Core Engineering Intern in "Project And Planning Department"	19 Feb, 2024 - Present
Key Skills: Project Management Strategic Planning Technical Documentations Valves Manufacturing Quality Control	
As an intern Special Meson Group at Meson Valves India Ltd, I am actively engaged in the project and planning department of the company. Meson Valves specializes in the manufacturing of a diverse range of valves crucial for "Indian Navy warships".	
Parivartan Innovations Pvt. Ltd. Core Electrical Engineering / Manufacturing Internship	01 Jun, 2023 - 31 Jul, 2023
Key Skills:	
Electric Vehicle Conversion Battery Technology Motor Controller Environmental Impact Charging Infrastructure	
During my Summer Internship at Parivartan Innovation Private Limited, I gained valuable insights into the conversion of petrol vehicles to electric vehicles. I acquired hands-on experience in the transformative process, contributing to my understanding of sustainable transportation solutions.	

PROJECTS

Multi-Purpose Agriculture Grass-Cutting Machine Mentor: Dr. Prashant Jikar Team Size: 4 Key Skills: Manufacturing Processes Multifunctional Design Agriculture Automation Precision Farming Project Integration	01 Aug, 2022 - 21 Dec, 2023
Project Link: https://drive.google.com/drive/folders/1ZBpL0D6LcDc_FtXA9US-cqykm5ro_i5r	
In this project, we tried to do 3 operations at a time like grass cutting, solid fertilizer spreading, and spraying pesticides or spraying fertilizer this application is a comprehensive approach to promoting healthy and productive plant growth. This project is designed to improve the overall health and yield of the plants by providing essential nutrients and proper maintenance through grass cutting.	
Tubing In Wall To Achieve Evaporative Air Conditioning Mentor: Dr. Pramod kothmire Team Size: 3	01 Jan, 2023 - 14 Apr, 2023

Key Skills: CFD Analysis Heat Transfer

Project Link: https://drive.google.com/drive/folders/1Mfe_rV-i8-74SI2H2BM_KunT9bHDBDnQ

This tubing in-wall evaporative air conditioning project involves the installation of a tubing system within the walls of a building to achieve effective and energy-efficient cooling using evaporative air conditioning. The system utilizes water evaporation to cool the incoming air, providing a natural and eco-friendly way to maintain a comfortable indoor environment.

Battery Cell Testing Module

04 Apr, 2022 - 20 Jun, 2022

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

Key Skills: Testing Monitoring Fault Detection

As the demand for electric vehicles increases simultaneously demand for batteries used for the electrical vehicle also increases. In this module, we have to check 25 cells at a time so we can easily understand which cells are defective or useful for further application.

Pendulum Operated Water Pump

01 Aug, 2020 - 11 Mar, 2021

Mentor: Prof. K.G. Patil | **Team Size:** 4

Key Skills: Innovation Design Cost-effective solutions Kinematics Pendulum Dynamics Manufacturing Operations

Project Link: <https://drive.google.com/file/d/1y9-rSdK6YJ12Tm-CZjOXNyBm4WqJAZbc/view?usp=drivesdk>

A pendulum-operated hand pump is a device that uses the motion of a swinging pendulum to pump water from a well or other water source. This type of pump is often used in rural areas where access to electricity or other power sources is limited. It is a simple, low-cost, and effective way to pump.

ACHIEVEMENTS

- o 2nd Rank Achiever In Board Exam.
- o In 10th Standard 1st Rank Achiever in Technical Domain in Elements of EL. and EC. Technolog Subject.

ASSESSMENTS / CERTIFICATIONS

National Programme On Technology Enhanced Learning [NPTEL]

Aggregate: 67 / 100

I successfully Completed the NPTEL course in Automation in Manufacturing Subject.

Catia V5 Beginner to Advanced - Automatic and Industrial

The Complete Hydraulic Course

SEMINARS / TRAININGS / WORKSHOPS

"Battery Management System For Electric Vehicles"

09 Oct, 2023 - 14 Oct, 2023

Institute Name: STES's Sinhgad College of Engineering, Pune, Maharashtra.

Key Skills: Automotive Energy Efficiency Electricel system Lithium Ion Cell Voltage

The purpose of a Battery Management System (BMS) is to monitor, manage, and protect the cells within a battery pack, ensuring optimal performance, longevity, and safety.

PERSONAL INTERESTS / HOBBIES

- o I like to playing and watching the cricket, listening to kirtan, & like to read factual stories and also like to listening.

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Kate vasti, Alandi Taluka Khed And District
Pune., Pune, Maharashtra, India - 412105

Emails: gaurav.mali@mitaoe.ac.in , maligaurav307@gmail.com

Date of Birth: 26 Jul, 2002

Known Languages: Marathi,Hindi,English.

Permanent Address: At post Asoda, Dhandhore Nagar, Tarsod
Road. Tal. And Dist. Jalgoan, Jalgaon, Maharashtra, India -
425001

Phone Numbers: +91-8888785509, +91-8459750080

REFERENCES

- o **Dr. S.B. Patil**
(Assistant Professor, MIT Academy Of Engineering Alandi, Pune)
(+91-7204777997, sb.patil@mitaoe.ac.in)