



EDUCATION

MIT Academy of Engineering, Pune

2020 - 2024

B.Tech. - Electronics Engineering | CGPA: 7.34 / 10

Drone Destination

RPAS Pilot Training - Drone (Part Time) | Percentage : 100 / 100

D.D.N Bhole College, Bhusawal

2020

12th | Nashik | Percentage: 78.77 / 100

K .Narkhede School, Bhusawal

2018

10th | Nashik | Percentage: 64.40 / 100

PROFESSIONAL EXPERIENCE

Anantam Aerials And Robotics | Aviation / Aerospace | Flying , Maintenance , Training ,
Application Based Projects

02 Apr, 2022 - Present

Founder And Director

Skyjet Pilot Training School | Aviation / Aerospace | CPL (Commercial Pilot Licence)

01 Jan, 2025 - 01 Aug, 2025

Trainee Pilot

Key Skills: Flying Training C172

Commercial Pilot License (CPL) through comprehensive ground and flight training, preparing them for professional careers in aviation.

MITAOE Drone Club | Aviation / Aerospace

01 Jan, 2022 - 01 Jan, 2024

President

As the President of the Drone Club at MIT Academy of Engineering (MITAOE), I am tasked with leading and overseeing all activities related to drones within the club and fostering a vibrant community of drone enthusiasts. My role involves a combination of leadership, organization, and passion for unmanned aerial vehicles (UAVs) and their applications. Here's an overview of my responsibilities and the objectives of the club

JSPM Group of Institutes, Pune | Education

23 Mar, 2023 - 24 Apr, 2023

Co-ordinator

Key Skills: Event Planning Drone Obs

Dr.APJ Abdul Kalam Foundation | Technology

15 Feb, 2021 - 15 Apr, 2023

Volunteer

INTERNSHIPS

Dronasthra Energy flights

19 May, 2023 - 19 Aug, 2023

Drone Technician

Worked In Different Types Of Drone And Worked On Autonomous Flying

MIT Academy Of Engineering , Pune

22 Jul, 2022 - 01 Oct, 2022

Hardware Engineer

Key Skills: flying instructor drone build

I worked on Technical team of the drone building which participated in ASFU Drone championship 2022. this internship certificate issued for

extraordinary contribution to the Drone Technical Team.

I worked extensively for drone building and training during the championship. As a part of project work I learned drone building and flight simulation.

MIT Academy Of Engineering | Aviation / Aerospace

01 Jun, 2022 - 01 Aug, 2022

Drone Technician

PROJECTS

Robotex National Level Competition Drone Aviation

10 Aug, 2024 - 11 Aug, 2024

Mentor: Prof.Savita Pawar | **Team Size:** 2

Key Skills: Drone Flying , Drone Assembly , Drone Callibration

We Got 3rd prize At National Level drone race event

Mini Drone

Mentor: Prof. Rahul Patil | **Team Size:** 3

Key Skills: drone build drone flying

1. Leading the team for Mini Drone Competition India 2022 organized by MathWorks along with ICT Academy. Will be held at IIT Kanpur.

2. Implementing the design using MATLAB to build flight control algorithm.

3. Working on the simulation for line following autonomous mini drone.

Keywords: Flight controller, Electronic Speed Controller (ESC), Brush-Less Direct Current (BLDC) Motors, Power Distribution Board (PDB),

Propellers, MATLAB

Obstacle Navigating Drone

Mentor: Prof.Rahul K Patil | **Team Size:** 3

Key Skills: drone building Flying

1. Team leader on the behalf of college For BIAG Regional Drone Competition which will be held at the MIT Academy.

2. Designed a drone to navigate obstacles along with carrying an additional 200-gram weight.

Keywords : Flight controller, ESC, BLDC Motors, PDB, Propellers

Autonomous Multirotor UAV

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

Key Skills: Drone Callibration Drone Pilot

1. Developed an Autonomous Multirotor UAV which can explore any region intelligently, drops payload and can return a home location.

2. Participated in a National Level Competition SAE Aerothon 2022.

3. Developed and implemented an idea of picking up and dropping a weight up to 2 kilograms at different coordinates.

Keywords: Flight controller, ESC, BLDC Motors, PDB, Propellers.

Smart Transport System using Drones

Mentor: Prof.Vinaya Tapkir | **Team Size:** 3

Key Skills: Drone Making

1. Designing a prototype of drone which can be used in emergency and can able to transport from one place to another using pick up and drop function.

2. Specifically designed to help patients in regions which are not readily accessible by humans but are accessible by drone (emergency areas)

Keywords: Flight controller, ESC, BLDC Motors, PDB, Propellers.

Voice-Controlled Robotic Car

Mentor: Prof. Vinaya Tapkir | **Team Size:** 4

Key Skills: Arduino UNO

1. Developed a Voice-Controlled Robotic Car with human instructions.

2. The car has ability to follow voice command from a user and back communicate with the user by prerecorded human voices will be able to move

Autonomous without hitting any obstacles

Dronix

Mentor: Prof. Rahul Patil | **Team Size:** 4

Key Skills: Drone Pilot

1. Dronix drone race competition was held on 3 rd to 5 th February 2023 organized by Govt. College of Engineering, Aurangabad In which our team representing on the behalf of MIT Academy of Engineering.

2. This competition were National level competition under WINGS

3. The competition was about the Drone Race having a path with the obstacles and without fail we've to complete it. d. In which our team "Anantam" got the THIRD prize and our flight time was 6 min 46 sec.

While time considered was the addition of 2 rounds (Qualification round and Final round)

Keywords: Flight controller, ESC, BLDC Motors, PDB, Propellers

Medical Supply Provider Drone

Mentor: Prof. Rahul Patil | Team Size: 4

Key Skills: Drone Techniques

- 1. Developed an Autonomous Multirotor UAV which can explore any region intelligently, drops payload and can return a home location.
 - 2. Participated in a National Level Competition SAE Aerothon 2022.
 - 3. Developed and implemented an idea of picking up and dropping a weight up to 2 kilograms at different coordinates.
- Keywords: Flight controller, ESC, BLDC Motors, PDB, Propellers.

COEP Drone race competition

Mentor: Prof..Rahul Patil | Team Size: 3

Key Skills: Drone Pilot

- 1. COEP drone race competition was held on 14 th to 15th January 2023 organized by GOVT. College of Engineering, Pune In which our team representing on the behalf of MIT Academy of Engineering.
 - 2. The competition was about the Drone Race having a path with the obstacles and without fail we’ve to complete it.
 - 3. In which our team “Anantam” got the THIRD prize and our flight time was 23.68sec
- Keywords: Flight controller, ESC, BLDC Motors, PDB, Propellers

AISSMS Drone RAce

Mentor: Prof.R.K.Patil | Team Size: 3
Got 1st Price In Competition

JSPM Drone Race

Mentor: .
Got 1`st Price in drone compitition

MITAOE Equilibrium 2k23

Got 1st Price In Drone Race

ASFU Regional Level Drone Race

Mentor: Prof.R.K.Patil
Key Skills: Flying Drones
Got 3rd Rank

PCCOER Technovate

Got 2nd Price

Wings 2k23

Got 3rd Rank

Army Institute Of Technology Drone Race

Got 3rd Rank

Techhplore Drone Race

Got 1st Price

Techhplore Robo Race

Got 1st Price

Wings 2k24 Drone Race

Got 3rd Price

Tech-xcelerate 2k23 STEM

Got 3rd Price

Tech-xcelerate 2k23 Robotics

Got 2nd Price

Drone Literacy Programs With Pune Police

The Drone Literacy Program developed in collaboration with the Pune Police aims to leverage drone technology to enhance public safety, law enforcement efficiency, and community engagement. Drones have emerged as versatile tools in various sectors, including law enforcement, providing aerial surveillance, search and rescue capabilities, and rapid response to emergencies.

College of Engineering Pune Drone Race 2k24

Got 3rd Rank

Guinness World Record

Key Skills: Guinness World Record For Most Users To Take An OnlineAeronomy Lesson In 24 Hrs

World Book Of Record Union

Key Skills: To Make 150 PICO Satellites With Dr.A.P.J.Abdul Kalam Foundation

TechTantra 2k21

Team Size: 1
Got 1st Price

Gravity 2K24

Got 1st price in Drone Race

PUBLICATIONS / RESEARCH / WHITE PAPERS

Aerial Delivery System

03 May, 2024

Aviation | IEEE | **No. of Authors:** 3

ECG Signal

ECG Signal | **Mentor:** Prof. Vinaya Tapkir | **No. of Authors:** 3

Key Skills: Digital Signal Processing

Despite the processing methods used to reduce frequency Sonar, acoustics, and biomedical engineering are just a few of the domains where signal processing is important. The electrocardiogram (ECG), which displays the electrophysiology of the heart and alterations such arrhythmia as well as conduction problems, is utilised for the first diagnosis of coronary heart disorders. One of the key study areas in biomedical signal processing is the processing of ECG data. ECG signals can now be used to communicate with a computer thanks to recent developments in computer technology and signal processing using digital filters. Therefore, accurate ECG diagnosis is a technological problem. In order to deal with the noise artefacts in the ECG signal, this work offers an extensive survey of digital filtering techniques.

ASSESSMENTS / CERTIFICATIONS

Matlab Onramp

Aggregate: 98 / 100

Key Skills: MATLAB Simulink

1. MATLAB Onramp is a free two-hour, self-paced, interactive course that allows new users to learn MATLAB.
2. With MATLAB Onramp, users gain confidence, become comfortable with the MATLAB environment, and acquire the basic skills needed to use MATLAB.

Remote Pilot certificate

The acquisition of a drone pilot license represents a significant milestone in the journey towards safe and responsible aerial operations.

RPIC

10 Sep, 2033

Small Drone Course

Key Skills: Fly Small Cat Drones

SEMINARS / TRAININGS / WORKSHOPS

Seminar On Drone Operations Institute Name: Dr.D.Y Patil College of Engineering

The Seminar on Drone Operations served as a platform for knowledge exchange, skill development, and collaborative learning, underscoring the commitment of the Pune Police to embrace innovative technologies to enhance public safety and law enforcement effectiveness. By leveraging drones responsibly and ethically, law enforcement agencies can adapt to evolving security challenges and better serve their communities.

Drone Workshop

Institute Name: SMT.KASHIBAI NAVLE COLLEGE OF ENGINEERING

The Drone Workshop offers an immersive learning experience designed to equip participants with the knowledge, skills, and practical insights necessary to harness the potential of drone technology across diverse industries. From aerial photography and videography to agricultural monitoring and infrastructure inspection, drones have revolutionized countless applications, presenting unprecedented opportunities for innovation and efficiency.

Drone Seminar for Pune Police

Institute Name: Pune Police
The Drone Seminar for Pune Police serves as a pivotal platform for knowledge exchange, capacity building, and strategic planning to leverage drone technology for the betterment of law enforcement operations and public safety initiatives. By embracing drones responsibly and proactively, the Pune Police reaffirms its commitment to protecting and serving the community with efficiency, effectiveness, and integrity.

Drone Seminar At Govt.College Of Engineering Jalgoan
Institute Name: Givt College Of Engineering Jalgon
In That Workshop We Provide Hands On Training On Drones

CO-CURRICULAR ACTIVITIES

- President (Drone Club MITAOE)

PERSONAL INTERESTS / HOBBIES

- Flying , Singing, Travelling, Watching Movies

PERSONAL DETAILS

Gender: Male	Date of Birth: 14 Jul, 2003
Marital Status: Single	Known Languages: English , Hindi , Marathi ,
Current Address: Hindavi Lane 1 Near Athithi Hotel Dehu Phata , Alandi Devachi, Pune, Maharashtra, India - 412105	Permanent Address: 19, People Bank Coloney Shanti Nagar Bhusawal Dist Jalgoan 425201, Bhusawal, Maharashtra, India - 425201
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