

1). INTRODUCTION

a). Inauguration of Drone Club

The grand inauguration of the Drone Technical Club at Dhole Patil College of Engineering was a momentous occasion graced by the esteemed presence of Mr. Uday Dev & Mr. Bhushan Muthiyan, CEO, Automation AI Infosystem Pvt Ltd, Pune, an eminent figure in the field. The event, organized in collaboration with Mr. Ganesh Thorat from Cerebrosparks Pune, was a celebration of technological advancement and a testament to the college's commitment to nurturing innovation. Excitement filled the air as students and faculty gathered, eagerly awaiting the beginning of a new era in drone technology. The ceremony commenced with an awe-inspiring drone demonstration, showcasing the club's expertise and the limitless possibilities that drones offered. In his address, Mr. Uday Dev commended the college's initiative in establishing the Drone Technical Club, emphasizing the importance of practical learning and hands-on experiences. He encouraged the aspiring engineers to push boundaries, explore new horizons, and utilize drones as tools of innovation across various industries



The inauguration marked the beginning of a vibrant community where like-minded individuals would collaborate, learn, and exchange knowledge. The Drone Technical Club aimed to provide a platform for students to enhance their technical skills, engage in research, and participate in competitive events. With the inauguration successfully concluded, the Drone Technical Club at Dhole Patil College of Engineering embarked on its journey, poised to inspire a new generation of engineers to soar to greater heights in the exciting world of drone technology.



b). Mission and Vision

Drone club is a technical platform for students to share their ideas, collaborate with each other to come up with unique solutions and work in teams to prepare drones to serve the society.

VISION-

“ To develop full-fledged Drone ecosystem consisting Cloud, Artificial Intelligence and advanced Drones for aerial monitoring and analysis, and share the knowledge along the way! ”

MISSION-

1. Provide a platform to learn and experiment on diverse technologies in Drone and Artificial Intelligence.
2. To build advanced and autonomous drones.
3. To make students capable of designing, building, programming robotic systems, drones and peripheral systems.
4. Share knowledge through Workshops, awareness sessions and collaborations.

c). Club Members

a). CLUB COUNCIL

Sr.No	Position	Name	Contact
1	Club President	Suraj Anand Pawar	7385377626
2	Club Vice- President	Shraddha Jadhav	9689514629
3	Club Treasurer	Prem Bijarne	9325494133

b). CLUB MEMBERS

Sr.No	Name	Branch	Gender
1	Ajay Savare	E&TC	Male
2	Kedar Jagadale	E&TC	Male
3	Abhilash Habbu	E&TC	Male
4	Aditya Chavan	E&TC	Male
5	Chinmayee Magar	IT	Female
6	Diksha Gholap	E&TC	Female
7	Kritika Mishra	IT	Female
8	Manav Chettiar	COMPUTER	Male
9	Siddhika Gholap	E&TC	Female
10	Snehal Bhosale	E&TC	Female
11	Snehal Waghmare	E&TC	Female
12	Jyoti Jadhav	E&TC	Female
13	Siddhika Gholap	E&TC	Female
14	Sharvari Alsunde	IT	Female
15	Sneha Kakade	E&TC	Female
16	Siddhi Dhore	E&TC	Female

2). WORKSHOPS

a). Workshops Participated



The poster features a blue background with a large white circle on the left containing two portraits. At the top right, there are logos for CerebroSpark and DPES. The main title 'Era of Drones' is in large, bold, dark blue font, with a subtitle '{ A Workshop on Drone Technology }' below it. A dark blue rounded rectangle contains the word 'TOPICS' in white. Below this, a list of topics is provided. At the bottom, a dark blue banner contains the venue information. There are decorative dotted patterns in the top and bottom right corners.

Mr. Ganesh Thorat
Founder & Director
Cerebrospark Innovations, Pune

Mr. Mihir Kedar
Founder & Director
Cerebrospark Innovations, Pune

CerebroSpark

DPES
Dhole Patil Education Society

Era of Drones

{ A Workshop on Drone Technology }

TOPICS

- Introduction to Drones & UAVs
- Fabrication & Assembly
- Design
- Software & Hardware
- Application in Defence & Industries
- Rules & Regulations
- Future Scope
- Drone Flying

Venue : 1284, Near Eon IT Park Kharadi, Dhole Patil College Road, Wagholi, Pune 412207

On 13/5/2023, a highly successful one-day workshop on the Drone Club was conducted at DPCOE. The workshop aimed to introduce students to the world of drones and enhance their knowledge and skills in drone technology. The event witnessed an enthusiastic participation of 20 students from various grades. During the workshop, students received hands-on training on drone assembly, flight controls, and safety measures. Expert instructors provided valuable insights into the applications of drones in various fields, including photography, videography, agriculture, and disaster management. Participants actively engaged in practical exercises, flying drones under supervision and learning the basics of maneuvering and capturing aerial footage. The workshop concluded with an interactive session where students had the opportunity to discuss their experiences and ask questions. The participants expressed great enthusiasm and interest in joining the Drone Club to further explore the possibilities in this exciting field.



Overall, the one-day workshop on the Drone Club was a resounding success, sparking curiosity and igniting a passion for drones among the students. It provided them with a solid foundation in drone technology and paved the way for future exploration and innovation in this emerging field.



The club aims to technically strengthen the students by integrating their skills in the various fields of Engineering & technology, to cope up with the highly competitive environment.



The activities of the club include:

1. To introduce research & development activities among the students.
2. To provide remote pilot training to the students
3. To understand the basic functionality of drones.
4. Develop drones for diverse purposes with different types of design.
5. Integrating drone and android technologies towards controlling the drones through hand-held devices.
6. To Create the Interest Towards Drone Based Applications.

3). ACTIVITIES

a) Drone Purchase



The Drone Club has purchased two nano drones from Cerebrosparks Innovations. These advanced, compact drones are the first in our collection and will significantly enhance our members' learning experience. With these drones, students will have hands-on opportunities to explore and understand the intricacies of drone technology, including piloting, maintenance, and various applications.

The purchase marks a significant step towards our goal of providing cutting-edge resources for our club members, fostering a deeper understanding and skill set in the rapidly growing field of drone technology.

b). Republic Day Celebration, 26 January 2023



On January 26, 2023, Dhole Patil College of Engineering (DPCOE) celebrated Republic Day with great enthusiasm, and the Drone Club was at the heart of the festivities. The event brought together students and faculty to honour the nation's republic and its achievements in a vibrant display of patriotism.

Members of the Drone Club participated in the celebrations wearing their club jerseys, showcasing a sense of unity and pride. They further enhanced the occasion by organizing a spectacular aerial demonstration, where drones performed intricate manoeuvres and formations. This modern twist on traditional celebrations not only highlighted the club's technical prowess but also added a unique and innovative touch to the event.



In addition to the Drone Club, other technical clubs at DPCOE also made their mark with creative exhibitions and presentations. This collaborative effort underscored the college's dynamic environment and the diverse talents of its students, creating a festive atmosphere that celebrated both technological achievement and national pride.

Overall, the Republic Day celebration was a memorable occasion, with the Drone Club's contribution symbolizing their dedication to excellence and innovation. Their participation in club jerseys and the impressive drone display added a special flair to the day, making it a proud moment for the entire college community.