



Department of Electronics & Telecommunication Engineering

DRONE TECHNICAL CLUB



CLUB ADVISOR

Prof. Neha Dumne

Department of E&TC Engineering



DHOLE PATIL EDUCATION SOCIETY's DHOLE PATIL COLLEGE OF ENGINEERING





Dhole Patil College of Engineering is an Engineering college located in Pune. This institute was found in 2008 with the objective to provide good quality technical education to students and guide their career to a good path. It was found by Shri Sagar U. Dhole Patil, a well-known businessman and athlete who also lends a hand in the social and professional spheres. This institute does not only boost the students' knowledge but opens opportunities in multiple industries and chances to gain practical knowledge The technical club activities offer invaluable practical knowledge, with our esteemed Chairman, Shri Sagar U. Dhole Patil, at the helm of this commendable initiative.

Technical clubs are established to align with various trending streams. Participation is open to every student in the college. Each club operates with an interdisciplinary committee, fostering cooperative engagement with all students across the institute. The establishment of **Technical Clubs** necessitates a significant amount of funding to procure essential facilities for students. This endeavor was made achievable through the invaluable support of our chairman, **Shri Sagar U. Dhole Patil**.



DHOLE PATIL EDUCATION SOCIETY'S DHOLE PATIL COLLEGE OF ENGINEERING



CLUB CORE COMMITTEE



PROF. NEHA DUMNE CLUB ADVISOR



SURAJ PAWAR PRESIDENT



ASHISH PAUL VICE PRESIDENT



MIHIKA ZODAPE HOSTEL HEAD



PRANJALI KHAIRNAR HOSTEL HEAD



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ACA/R/56	DEPARTMENT OF E&TC ENGINEERING	AcademicYear:2023-24
Rev:00		Semester : ODD
Date: 15.12.2016	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



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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.



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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.



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CLUB MEMBERS

CLUB COUNCIL

Sr.No	Position	Name	Contact
1	Club President	Suraj Anand Pawar	7385377626
2	Club Vice- President	Ashish Paul	92267 96381
3	Club Treasurer	Harsh Pandey	8766902632

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	Purva Patil	E&TC	Female
13	Sakshi Chalak	E&TC	Female
14	Pradnya Jadhav	COMPUTER	Female
15	Rutuja Sirsat	E&TC	Female
16	Mansi Patil	E&TC	Female
17	Shoheb Shaikh	E&TC	Male
18	Simran Pathan	E&TC	Female
19	AbuSufiyan Shaikh	E&TC	Male
20	Prasad Nawale	E&TC	Male
21	Sharad Borle	E&TC	Male
22	Gaurav Katare	E&TC	Male
23	Mohit Patil	E&TC	Male
24	Om Mohabey	AUTOMOBILE	Male
25	Shraddha Jadhav	IT	Female



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ACA/R/56	DEPARTMENT OF E&TC ENGINEERING	AcademicYear:2023-24
Rev:00		Semester : ODD
Date: 15.12.2016	DRONE LITERACY PROGRAM IN DPCOE	

On November 8, 2023, the Drone Technical Club of DPCOE organized a comprehensive Drone Literacy Program aimed at enhancing the understanding and application of drone technology among participants. The event featured a distinguished guest and speaker, Mr. Ramakant Mane, the Assistant Commissioner of Police (ACP) of Pune City Police. Mr. Mane's presence underscored the significance of drones in modern law enforcement and public safety.

The workshop provided attendees with in-depth knowledge about various aspects of drone technology, including its design, functionality, and potential applications in different fields. Additionally, the program focused on educating participants about the latest drone rules and regulations, ensuring they are well-versed in the legalities of drone operation.

Mr. Mane shared valuable insights from his experience in law enforcement, highlighting the critical role drones play in surveillance, search and rescue operations, and maintaining public order. Participants had the opportunity to engage in interactive sessions, ask questions, and witness live demonstrations of drone operations.

The program aimed to equip individuals with the necessary skills and knowledge to harness the power of drones effectively and responsibly, fostering a community of informed and capable drone enthusiasts who are aware of and adhere to the regulatory frameworks governing drone use.





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ENGINEERING, KHARADI PUNE-07



MR. SAGAR U. DHOLE PATIL CHAIRMAN, DPES

"Explore information regarding drone regulations, technology, and their various applications."

LITERACY PROGRAM

Organized by:



DRONE TECHNICAL CLUB

8 NOVEMBER, 2023 10:30 AM

VENUE: FIRST FLOOR AUDITORIUM DHOLE PATIL COLLEGE OF ENGINEERING



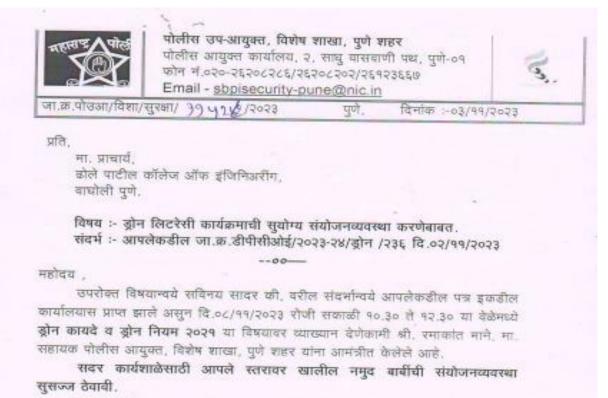
Dr. Abhijit Dandwate TECHNICAL CLUB HEAD

Dr. B.M. Shinde PRINCIPAL



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- पीपीटी प्रझेंटेशन असल्याने शक्य तेवळा स्क्रीन मोठा.
- २. विद्यार्थ्यांसाठी सुसज्ज अशी बैठकव्यवस्था
- माईक व पोडीयम व लॅपटॉपची व्यवस्था.
- ४. येळेत विवयार्थी आसनस्थ झालेले असावे.

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(उमर्किति माने) सहय्यिक पोलीस आयुक्त, विशेष शाखा-२, पुणे शहर



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ACA/R/56	DEPARTMENT OF E&TC ENGINEERING	AcademicYear:2023-24
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Date: 15.12.2016	DRONE WORKSHOP ORGANIZED IN DHOLE PATIL JUNIOR COLLEGE	



On April 24, 2024, the Drone Technical Club of DPCOE organized an insightful workshop at Dhole Patil Junior College, focused on drones and Unmanned Aerial Vehicles (UAVs). This event aimed to provide attendees with a thorough understanding of drone technology, including its rules and regulations, as well as its wide-ranging applications.

Participants gained valuable knowledge about the design, functionality, and operational principles of drones and UAVs. The workshop also emphasized the importance of adhering to the latest drone regulations, ensuring that all participants are aware of the legal aspects of drone usage.

Interactive sessions allowed attendees to ask questions and engage with experts, enhancing their grasp of how drones can be utilized effectively in various fields such as agriculture, photography, logistics, and emergency services.



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The workshop, organized by the Drone Technical Club of DPCOE, aimed to empower students with the skills and knowledge necessary to navigate the evolving landscape of drone technology, fostering a generation of informed and responsible drone operators.



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ACA/R/56	DEPARTMENT OF E&TC ENGINEERING	AcademicYear:2023-24
Rev:00		Semester : ODD
Date: 15.12.2016	DRONE LITERACY PROGRAM ORGANIZED BY PUNE CITY POLICE	



On October 29, 2023, the Pune City Police organized a Drone Literacy Program at the Shivaji Nagar headquarters in Pune. The event featured a distinguished speaker, Assistant Commissioner of Police (ACP) Ramakant Mane, who brought valuable insights into the significance and applications of drone technology in modern law enforcement.



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The program aimed to enhance the participants' understanding of drone technology, including its design, functionality, and various applications. Special emphasis was placed on the rules and regulations governing drone usage, ensuring that attendees were well-versed in the legal frameworks essential for responsible drone operation.

ACP Ramakant Mane shared his expertise, highlighting the critical role drones play in police work, such as surveillance, crowd control, search and rescue operations, and ensuring public safety. His insights underscored the growing importance of drones in maintaining law and order.



The event also attracted the participation of many industrialists, who brought a unique perspective on the commercial and industrial applications of drones. Their involvement provided attendees with a broader understanding of how drone technology is being utilized across various sectors, including agriculture, infrastructure inspection, logistics, and more.

Interactive sessions allowed participants to engage directly with ACP Mane and the industrialists, ask questions, and gain a deeper understanding of how drones can be effectively utilized in different scenarios. Live demonstrations further illustrated the practical applications of drone technology.

The Drone Literacy Program organized by the Pune City Police aimed to equip participants with the necessary knowledge and skills to leverage drone technology responsibly and effectively, fostering a community of informed and capable drone users dedicated to enhancing public safety, law enforcement capabilities, and industrial efficiency.



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ACA/R/56	DEPARTMENT OF E&TC ENGINEERING	AcademicYear:2023-24
Rev:00		Semester : ODD
Date: 15.12.2016	TECHXPLORE 2K24, 15 FEB 2024	



TechXplore 2k24, a state-level technical event organized by the Drone Club at Dhole Patil College of Engineering (DPCOE), provided an exciting platform for students from various colleges to showcase their skills and innovations. Held on February 15, 2024, this premier event featured two main competitions: Udaan, a thrilling drone racing event, and Roborash, a challenging robotic car obstacle clearing competition.



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Udaan: The Drone Racing Event

Udaan captivated participants and spectators alike with high-speed drone races. Students demonstrated their piloting skills, navigating complex obstacle courses with precision and speed. This event not only tested the technical prowess of the participants but also highlighted the advancements in drone technology and the creativity of young engineers. The exhilarating races fostered a spirit of competition and camaraderie among the participants, making it a highlight of TechXplore 2k24.

Roborash: The Robotic Car Obstacle Clearing Challenge

Roborash presented a challenging and engaging robotic car obstacle clearing competition. Participants designed and programmed robotic cars to autonomously navigate and clear a series of obstacles. This event tested the students' engineering skills, problem-solving abilities, and creativity. The innovative solutions and designs showcased at Roborash demonstrated the ingenuity and technical expertise of the participants, making it a standout feature of the event.



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A Hub of Innovation and Learning

TechXplore 2k24 was more than just a competition; it was a celebration of technology and innovation. The event brought together bright minds from across the state, fostering an environment of learning and growth. Workshops, seminars, and interactive sessions with industry experts provided additional opportunities for participants to enhance their knowledge and skills.

Building the Future of Technology

By organizing TechXplore 2k24, the Drone Club at DPCOE aimed to inspire and nurture the next generation of engineers and technologists. The event underscored the importance of hands-on experience and practical application of theoretical knowledge, preparing students to tackle real-world challenges with confidence and creativity.

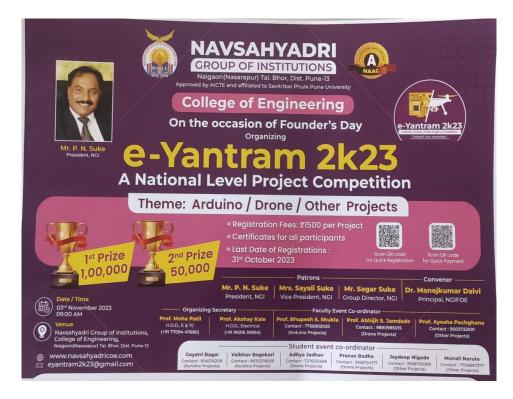
TechXplore 2k24 was a resounding success, leaving a lasting impact on all participants and setting a high standard for future technical events. The Drone Club at DPCOE continues to lead the way in promoting technical excellence and innovation among students.



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ACA/R/56	DEPARTMENT OF E&TC ENGINEERING	AcademicYear:2023-24
Rev:00		Semester : ODD
Date: 15.12.2016	E-YANTRAM 2K23, 03 NOVEMBER 2023	



eYantram 2k23, a national-level project showcase event, was held on November 3, 2023, at Navsahyadri College of Engineering in Nasrapur. This prestigious event brought together students from engineering colleges across India to present their innovative projects in various categories, including Robotics and Automation, Renewable Energy, IoT and Smart Technologies, AI and Machine Learning, Electronics and Communication, and Civil and Structural Engineering.

The event fostered networking and collaboration, allowing participants to connect with peers and professionals, and inspiring them to pursue innovative solutions to engineering challenges.

The event provided a unique opportunity for students to gain recognition for their hard work and ingenuity. Judges from academia and industry evaluated the projects based on creativity, technical complexity, and potential real-world impact. This recognition not only motivated the participants but also highlighted the critical role of hands-on learning in engineering education.



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eYantram 2k23 was a resounding success, highlighting the importance of practical learning and showcasing the technical abilities of students on a national stage. Navsahyadri College of Engineering continues to promote technical excellence and innovation through such events, preparing students to meet the demands of the ever-evolving engineering landscape and contribute meaningfully to technological advancements.



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ACA/R/56	DEPARTMENT OF E&TC ENGINEERING	AcademicYear:2023-24
Rev:00		Semester : ODD
Date: 15.12.2016	WINGS DRONIX, 19 JANUARY 2024	



DroniX encapsulates the essence of precision and agility in drone piloting, offering a captivating spectacle of speed and dexterity. In this adrenaline-pumping event, held on **January 19, 2024, at the Government College of Engineering in Sambhaji Nagar**, participants engaged in a thrilling contest navigating through a specially designed course. The course itself was a labyrinth of challenges—sharp turns, tight corners, and strategically positioned barriers—that demanded not just speed, but finesse and strategic manoeuvring.

The competition's core lay in pilots' abilities to expertly guide their drones through an array of obstacles while swiftly passing through designated gates. Each movement required split-second decision-making, a keen eye for navigation, and precise control over their drones. It was not merely a race against time; it was a test of skill and mastery over their aerial vehicles.



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The courses set for DroniX competitions were meticulously crafted, creating an electrifying atmosphere for both participants and spectators. Drones zipped through the air with incredible speed, executing breathtaking moves to negotiate the challenging terrain. The tension built as each pilot navigated through the obstacles, showcasing their proficiency in controlling their drones with precision.



The Drone Club of Dhole Patil College of Engineering (DPCOE) actively participated in DroniX, demonstrating their expertise and competitive spirit. The club members fine-tuned and customized their drones, optimizing them for speed, agility, and control. Their participation not only highlighted their skills but also contributed to the vibrant and competitive atmosphere of the event.

Moreover, DroniX served as a showcase of technological innovation. Participants, including the Drone Club of DPCOE, often fine-tuned and customized their drones, optimizing them for speed, agility, and control. The competition became a stage for showcasing cutting-edge advancements in drone technology, inspiring awe and excitement among enthusiasts and onlookers.

In essence, DroniX represented the perfect blend of skill, innovation, and adrenaline. It was a riveting display of human ingenuity and technological advancement, encapsulating the thrill of navigating drones through challenging obstacles and gates in a quest for ultimate precision and speed. This event was a celebration of the progress in drone technology and the prowess of skilled pilots, bringing together a community of drone enthusiasts who pushed the boundaries of what is possible.



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ACA/R/56	DEPARTMENT OF E&TC ENGINEERING	AcademicYear:2023-24
Rev:00		Semester : ODD
Date: 15.12.2016	EXCALIBUR 2K24, 18 APRIL 2024	



Excalibur 2k24, a prominent technical event, was held on April 18, 2024, at Amrutvahini College of Engineering. This event provided a dynamic platform for students from various colleges to showcase their technical skills and innovations in a range of competitions.

One of the highlights of Excalibur 2k24 was the drone racing segment, which drew considerable attention for its high level of competition and technical prowess. The event featured a meticulously designed course that challenged participants with complex obstacles and demanding maneuvers, pushing the limits of drone piloting skills.

The Drone Club of Dhole Patil College of Engineering (DPCOE) participated actively in Excalibur 2k24, showcasing their expertise and competitive spirit. The club's members demonstrated their advanced piloting skills and technical knowledge, ultimately **securing an impressive 3rd place** in the competition. This achievement highlighted their dedication and proficiency in drone technology.



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Excalibur 2k24 also included various other technical challenges and exhibitions, where students presented innovative projects and solutions. The event served as a celebration of technological advancement and provided valuable networking opportunities for participants and industry professionals alike.

Overall, Excalibur 2k24 was a successful event, offering a platform for students to demonstrate their technical abilities and gain recognition for their hard work. The Drone Club of DPCOE's third-place finish was a testament to their skill and innovation in the field of drone technology, contributing to the vibrant and competitive atmosphere of the event.



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Date: 15.12.2016	E-YANTRAM 2K23 CERTIFICATE, NASRAPUR	





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Rev:00		Semester : ODD
Date: 15.12.2016	DRONE LITERACY PROGRAM CERTIFICATE, SHIVAJI NAGAR, PUNE	





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Rev:00		Semester : ODD
Date: 15.12.2016	WINGS DRONIX CERTIFICATE, AURANGABAD	





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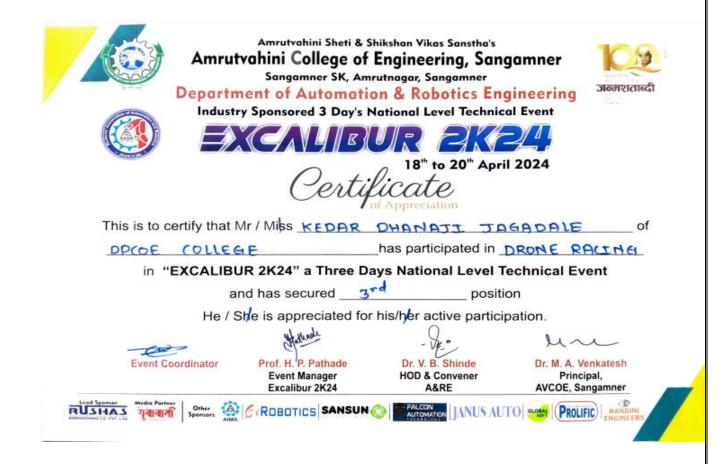
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Rev:00	DEFARIMENT OF EATC ENGINEERING	Semester : ODD
Date: 15.12.2016	TECHXPLORE UDAAN CERTIFICATE, DPCOE, PUNE	





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Rev:00		Semester : ODD
Date: 15.12.2016	EXCALIBUR 2K24 CERTIFICATE, SANGAMNER	





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Rev:00		Semester : ODD
Date: 15.12.2016	DRONE WORKSHOP APPRECIATION LETTER, DPES JR. COLLEGE	
P	DATE ACCORDENCES	वी का त महोत्सव D11861501, 9511991222
Can	Ref. No. DPACS/A.O./2023-24/1074 Date :- 24/04/2 To, Mr. Suraj Pawar, (President) (Speaker)	
	Subject: - Appreciation letter for conducting workshop on Exploring informa regarding Drone Regulations, Technology and their various applications 24 th April, 2024.	tion e on
	Dear Student, Greetings of the day!!!	
	Thank you very much for accepting invitation and conducting workshop on Explo information regarding Drone Regulations, technology and their various applications 24 th April, 2024.	ring on
	The workshop was very informative and inspirable for the students of Scie Department of Dhole Patil Junior College of Arts, Commerce & Science.	ence
	I am quite sure that our students would have learnt through your guest lecture and t will definitely accept your instructions in this regard.	they
	Once again thanks for coming and looking forward your long association in this regar	d.
	(Prof. Vitthal B. Gaikwad) Principal Principal Dhole Patil Junior College of Arts, Commerce, Science	