




Program Report

Department of Automation and Robotics

Title of Program	Guest Lecture on Drone Technology & its Applications
Objective of Program	<p>The objective of the Session is</p> <ul style="list-style-type: none"> - Explain the fundamentals of drones, including their components, working principles, and types - Discuss the wide range of applications drones are used for, such as in agriculture, delivery, surveillance, environmental monitoring, filmmaking, military, search and rescue, and more. - Latest innovations in drone technology, such as AI-powered drones, autonomous flight, advanced sensors etc. - Understand challenges such as privacy concerns, security risks, battery life, weather dependence, and other technical hurdles. - Live demonstration of different types of drones
PO Mapped	PO5, PO6, PO10, PO12, PSO1
Date & Time of Program	25/02/2025 AT 11:30 am
Venue	Automation and Robotics Department
Organised By	Automation and Robotics Department
Participants	Second Year Students of Automation and Robotics
No of Participants	42
Details of Expert	Mr. Arup Das & Mr. Devashish Samantha (Director, Space & Tech Engg. LLP, Nashik)
Photograph/Video Available	Photo Available with AR Dept
Nature of Photo Submission	Soft Copy
Brief about the Program (Activity/Event)	The Department of Automation and Robotics successfully organized an expert session on "Drone Technology and Its Applications" for second year students where esteemed experts from Space & Tech Engg, Nashik provided insightful information on the various types of drones, their components, and practical applications with live demonstration of a camera-based drone. In-depth explanation of drone components and their functions also discussion on the future of drone technology and emerging opportunities for Automation and Robotics students were carried out.
Name and Sign of Program Incharge	Prof. Sandip S. Patil , Prof. Manoj D Salunke 
Supporting Staff	Prof Gokul R Jadhav, Mr Tushar Snawane, Mr Hujefa Pinjari
Program Approved by HOD	Prof. Sandip S. Patil  HOD
Program Approved by Principal	Dr. Neelkanth G. Nikam  PRINCIPAL

PRINCIPAL

**GURU GOBIND SINGH COLLEGE OF ENGINEERING
& RESEARCH CENTRE, NASHIK**

IQAC Coordinator

Guru Gobind Singh College of
Engineering and Research Centre, Nashik



Program Report

Department of Automation and Robotics

Activity: Guest Lecture on Drone Technology & its Applications

Speaker: Ms. Arup Das & Mr. Devashish Samantha

(Director, Space & Tech Engg. LLP, Nashik)

Date: 25/02/2025 **Venue:** Automation and Robotics Department




Head
Department of Automation And Robotics
Guru Gobind Singh College of
Engineering & Research Centre, Nashik


PRINCIPAL
GURU GOBIND SINGH COLLEGE OF ENGINEERING
& RESEARCH CENTRE, NASHIK





GURU GOBIND SINGH FOUNDATION'S

GURU GOBIND SINGH COLLEGE OF ENGINEERING & RESEARCH CENTRE, NASHIK

Khalsa Educational Complex, Guru Gobind Singh Marg, (Wadala-Pathardi Road) Nashik-422009

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Approved By AICTE, Govt. of Maharashtra and DTE, Maharashtra State

Date-25th Feb 2025

Automation & Robotics

To,

Mr. Arup Das &

Mr. Devashish Samantha,

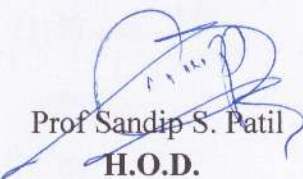
Director,

Space & Tech LLP, Nashik.

Respected Sir,

On behalf of Guru Gobind Singh College of Engineering & Research Centre, Nashik, we are really grateful that you could spend your valuable time as Expert for the session on **"Drone Technology"** for our Automation & Robotics students. Your valued indepth knowledge were really fascinating & students found them very thoughtful. We look forward to your delightful presence as Guest's for our future events.

Thanking You,


Prof Sandip S. Patil
H.O.D.

(Dept. of Automation & Robotics)


Received.



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Estd. 2013

Approved By AICTE, Govt. of Maharashtra and DTE, Maharashtra State

Automation & Robotics

To,

Mr. Arup Das &

Mr. Devashish Samantha,,

Director,

Space & Tech LLP, Nashik.

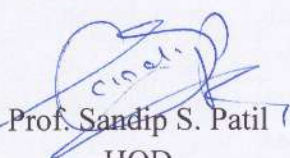
Subject: - Invitation for the Expert Talk

Dear Sir,

Guru Gobind Singh College of Engineering & Research Centre, Nashik is one of the emerging colleges in Nashik region established in 2013. This college is accredited by NAAC, approved by AICTE, and DTE Govt. of Maharashtra. It is affiliated to Savitribai Phule Pune University, Pune.

The Department of Automation & Robotics Engineering is planning to organize expert talk on "Drone Technology" scheduled on 25th Feb 2025, Under Automation & Robotics Students Association (ARSA). It gives us immense pleasure to invite you as Expert for this session. I kindly request you to honour us by your presence at our campus on **25th Feb 2025 at 11:30 a.m.**

Thank you.


Prof. Sandip S. Patil

HOD

Automation & Robotics


Received.

GURU GOBIND SINGH FOUNDATION			
Guru Gobind Singh College of Engineering & Research Centre, Nashik			
Department of Automation and Robotics			
Title of Activity: <u>Expert Lecture on Drone Technology & its Applications</u>			
Venue: <u>Automation & Robotics Dept.</u>		Date: <u>25/2/25</u>	
Sr.No	Roll.No	Name of Student	Sign
1	1	ADITI KAMLAKAR BHUJBAL	<u>Bhujbal</u>
2	2	AHERKAR SHUBHANGI SACHIN	
3	3	ATTARDE GAYATRI BHARAT	
4	4	BAWA VICKY ANIL	
5	5	BHALERAO RUSHIKESH RAJENDRA	
6	6	BHALERAO RUSHIKESH SIDDHARTH	
7	7	BHAVSAR DURVESH SATISHCHANDRA	<u>Durvesh</u>
8	8	BHOR VAIBHAV DHANAJI	
9	9	BOHRI TAHER SHABBIR	<u>Taher</u>
10	10	CHAUDHARI PRATHAMESH DINESH	<u>Chaudhary</u>
11	11	CHAUDHARI SUDHIR MAHESH	
12	12	CHAVAN RAJ DEEPAK	<u>Raj</u>
13	13	CHAVAN ROHIT PANDURANG	
14	14	DAWARE PRIYA SANJAY	<u>Priya</u>
15	15	DEORE RUTUJA DINESH	
16	16	DESHMUKH SATYAKI AJAY	
17	17	DHAMANE RIDDHI SANDEEP	
18	18	DHANDE ESHA JITENDRA	<u>Esha</u>
19	19	GHODE RITIKA SOMNATH	
20	20	GOPHANE TITIKSHA RAJU	
21	21	HARDE SAKSHI DATTATRAY	
22	22	JADHAV ANUJA NANASAHEB	<u>Anuja</u>
23	23	JADHAV MINAKSHI TUSHAR	<u>Minakshi</u>
24	24	JADHAV RUSHIKESH SHARAD	
25	25	JANRAO SAKSHI RAMESH	<u>Janrao</u>
26	26	KAKAD KOMAL KISHOR	<u>Komal</u>
27	27	KHANDARE VAISHNAVI SURESH	<u>Vishchandare</u>
28	28	KUMAVAT VIVEK KAILAS	<u>Vivek</u>
29	29	LOHAKARE TUSHAR BHARAT	
30	30	MAHAJAN PRANAV ATUL	<u>Pranav</u>
31	31	MAHALE KALPESH VINAYAK	<u>Kalpesh</u>
32	32	NAGARE SANKET RAMNATH	
33	33	NAGARE SARANG RAJENDRA	
34	34	NANDAN SAMRUDDHI NARENDRA	
35	35	NEHA NARENDRA JAGTAP	<u>Neha</u>
36	36	NIKUMBH SHAURYAN KISHOR	<u>Bilal</u>
37	37	OM SANJAY AHIRE	
38	38	PAGARE SNEHAL PRAMOD	<u>Snehal</u>
39	39	PATIL HARSHAL SANJAY	
40	40	PATIL PALAK JITENDRA	<u>Palak</u>
41	41	PATIL RUSHIKESH SACHIN	<u>Patil</u>
42	42	SHAHANE KHUSHI SANTOSH	<u>Khushi</u>



43	43	SHELKE VAIBHAV SUBHASH	<i>Vaibhav</i>
44	44	SHETE GAYATRI BHAUSAHEB	
45	45	SHINDE CHAITANYA KRISHNARAO	
46	46	SHINDE HRISHIKESH UTTAM	
47	47	SHIVALE ADITYA SHASHIKANT	
48	48	SIDDHANT ANANT SALVE	
49	49	SIRSAT JAYWANT DNYANESHWAR	
50	50	SONAR ARYAN AVINASH	<i>A</i>
51	51	SONAWANE PIYUSH PRADIP	<i>Ponawane</i>
52	52	TADGE SHUBHAM SANTOSH	<i>SG</i>
53	53	TAJANE SHUBHAM GOVIND	
54	54	THORVE SAMARTH SHAILESH	
55	55	TIWARI DIYA YOGESH	
56	56	WISHWAKARMA PRIYANKA NISHANT	<i>Priyanka</i>


 Head
 Department of Automation and Robotics
 Guru Gobind Singh College of Engineering & Research Centre, Nashik
 25/02/2025