



SARVAJANIK EDUCATION SOCIETY

SARVAJANIK UNIVERSITY

SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY

DR. R.K. DESAI MARG, ATHWALINES, SURAT-395001



In Association with

IIC AND ISTE- SCET STUDENT CHAPTER



"A Report of Two days workshop on

"Efficiency and Accuracy from Drone to Blueprint- EADB, 2023"



SARVAJANIK EDUCATION SOCIETY
SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY
CIVIL ENGINEERING DEPARTMENT





"FLY HIGH, DESIGN BETTER: DRONES FOR
PRECISE BLUEPRINTS REDEFINING DESIGN
EXCELLENCE WITH AERIAL PRECISION".

2 DAYS WORKSHOP ON 15-16TH SEP : 10 AM - 04 PM
Efficiency and Accuracy from Drone to Blue-print - EADB, 2023



HEAD OF DEPARTMENT
DR. MEHALI J. MEHTA

FACULTY CO-ORDINATORS
PROF. HIMANSHU J. PADHYA
PROF. SEJAL S. PATELWALA
DR. MANISHA P. VASHI

SUPPORTED BY
 **INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education initiative)



A workshop on the advanced topic named “Efficiency and Accuracy from Drone to Blueprint-EADB, 2023” has been organised by Civil Engineering Department on 15th and 16th September, 2023 during 10:00am-04:00pm at TIFAC Seminar Hall for all college students of all branch as interdisciplinary topic. The workshop has been conducted by

1. Dr. B. K. Patel, Ph.D. Civil Engg., CMD at Design Point Consult Pvt. Ltd., Surat.
2. Mr. Virendra A. Patel, Ph.D. Research Scholar, Electronics Engineering Department, Saradar Vallabhbhai National Institute of Technology(SVNIT), Surat.
3. Mrs. Happy Patel, expert engineer in Geo-informatics, at Design Point Consult Pvt. Ltd., Surat.
4. Mr. Jayeshbhai Chaudhari, Surveyor, at Design Point Consult Pvt. Ltd., Surat.

KNOWLEDGE SHARED IN EXPERT LECTURE:

The workshop started with prayer, and our experts were being introduced by our workshop faculty coordinators. One of the eminent expert as Dr. B.K. Patel starts with introduction about drone and GPS technology and its applications for different fields.

Next expert talk delivered by Prof. Happy Patel conduct the workshop and shared the presentation of drone and GPS working principles, procedure of capturing various data, interpretation, various terminologies related to application of drone. She also shared a good bunch of knowledge with students as many students are taking interest in the topic.

In continuation, Er. Virendra Patel sir resume the workshop about explaining about application of GNSS and various field activities to do in the workshop by participants as a part of hands on practice such as different route – close circuit, collecting different data using suggested software within different zone of surat city with mobile applications and software, etc.

Next session conducted by Mr. Jayeshbhai Chaudhari, Surveyor, at Design Point Consult Pvt. Ltd. had installed GPS system for demonstration purpose with hands-on practice to participants with collected data on site.

On the next day, Er. Virendra Patel represented the drone and explains about various types of drone and its uses and rule- regulations. Whole day was carried on ground for carrying out practical application under guidance of drone pilot and entire team of experts with application of drone and all the students performed well on ground. After compilation of the hands on practice with drone and obtained data are extracted in software and transferred to Q-GIS for further analysis. Some of the student gets inspired from them and decided to make their own drone.

Morethan68studentsof different branches had attended and take advantage of workshop. The workshop concluded with healthy interaction with the expert -student -faculty about the importance of effective and efficient application of Drone in various field and some queries, the workshop ended up with National anthem by all students and faculties.







Glimps of Workshop

Report prepared by:

1. Prof. Sejal S. Patelwala

2. Dr. Manisha P. Vashi