



PDEU PANDIT
DEENDAYAL
ENERGY
UNIVERSITY

Formerly Pandit Deendayal Petroleum University (PDPU)

Report on

Hands-on Experience Workshop on Technologies in Civil Engineering

April 28 2023

Prepared by

Dr Vasudeo Chaudhari
Department of Civil Engineering

SOT

SCHOOL OF
TECHNOLOGY

E- Block
School of Technology,
Pandit Deendayal Energy University
Gandhinagar – 382007, India.

Civil Engineering

Theme: Surveying with a drone

Resource Person: Dr Dhruvesh Patel, Dr Ankit Deshmukh

Laboratory Assistant: Mr Jitendra Patel

Coordinator: Dr. Vasudeo Chaudhari

The hands-on training for the diploma students was conducted at the civil engineering department on April 28 2023. After the registration and inauguration at the auditorium, students were brought to the E-001 classroom at 11:15 am. Dr Dhruvesh Patel, head of civil engineering, welcomed the students and gave information about the department like various facilities available in the departments, faculties and their expertise, various activities conducted in the dependents, etc. After that, he talks about drones and their application in surveying and the sub-domain of civil engineering. He explained the procedure for surveying. Further, talk about the limitations and advantages of the various drones available in the market. After this session, students were taken to lunch. After lunch, Dr Ankit Deshmukh and Mr Jitendra Patel demonstrated in the field to perform the drone survey. Participating students knew how to use drone for conducting land surveys. After the field demonstration, participating students visited Transportation, Environmental, and Geotechnical Lab. They were in-charge faculties and informed about the various instruments available in the lab and their application. After the lab visits, students were asked to give the feedback orally and on the feedback link. The certificates were distributed by the department faculties and to the participants. Workshop concluded with a vote of thanks by Dr Vasudeo Chaudhari.

Department Level Schedule for one Day workshop on April 28 2023

Sr No	Time	Details	Venue	Responsibility	Remark
1	09:00 am to 11:15	Session-1 Registration and Inauguration at Central Level	Auditorium	Dr Vasudeo Chaudhari	Mr Jitendra Patel accompanied
2	11:15 am to 11:45 am	Session-2 Welcome and introduction to the department	E-001	Dr Dhruvesh Pate	All faculties requested to present
3	11:45 am to 01:00 pm	Session-3 Application of drones in surveying	E-001	Dr Dhruvesh Pate	Dr Ankit Deshmukh and Mr Jitendra Patel accompanied
4	01:00 pm to 2:00 pm	Lunch Break	Canteen	Dr Vasudeo Chaudhari Dr Ayyana Habal Mr Jitendra Patel	
5	2:00 pm to 2:45 pm	Session-4 Demo of Drone Survey	E-001	Dr Ankit Deshmukh Dr Ayyanna Habal Mr Jitendra Patel	Dr Vasudeo Chaudhari and interested faculties accompanied
6	2:45 pm to 3:00 pm	Session-5 Transportation Lab Visit	Transportation Lab	Dr Rajesh Gujar Dr Ayyanna Habal Mr Manivel M	Dr Vasudeo Chaudhari and Mr Jitendra Patel accompanied
7	3:00 pm to 3:15 pm	Session-6 Environmental Lab Visit	Environmental Lab Visit	Dr Anurag Kandy Dr Shabiimam M A Dr Daya Kaul	Dr Vasudeo Chaudhari and Mr Jitendra Patel accompanied
8	3:15 pm to 3:30 pm	Session-7 Geotechnical Lab Visit	Geotechnical Lab	Dr Tejas Thaker Dr Manas Kumar Bhoi Dr Maheshbabu Jallu	Dr Vasudeo Chaudhari and Mr Jitendra Patel accompanied
9	3:30 pm to 4:00 pm	Session-8 Valedictory and certificate distribution ceremony	E-001	All Senior Faculties	All faculties requested to present















