

NATIONAL SURVEY DAY REPORT

An online Poster Presentation Competition was organized by Department of Civil Engineering, OmDayal Group of Institutions on the occasion of National Survey Day on 10.04.2022.

This day has a special significance in the History of Surveying as it is on this day that Major William Lambton started the GTS(Great Trigonometrical Survey). Pioneering mathematician and Surveyor Radhanath Sikdar measured Mount Everest in 1852, with a height of 29,002 feet. This is regarded as the beginning of a new age of systematic topographical mapping in India succeeding the classical age, and the founding of one of the oldest survey and mapping agencies in the world and the work of measurement of Great Arc from the Cape Comorin to Bangalore, on 10th April, 1802 By celebrating this day as National Survey Day, we paid our tribute to the famous Indian Mathematician Radhanath Sikdar for his contribution in the field of Survey and Survey of India.

The Head of The Departments and the faculty members of Civil Engineering Department, OmDayal Group of Institutions joined the program. At the very beginning of the program students were introduced to "Ek Bharat Srestha Bharat (EBSB)" and importance of Surveying in daily life.

The planning and design of all Civil Engineering projects development such as construction of highways, bridges, tunnels, dams etc., are based upon surveying measurements.



 **OmDayal Group of Institutions**
ENGINEERING COLLEGE | ARCHITECTURE COLLEGE

Department of Civil Engineering
presents a *poster presentation on the occasion of*
"NATIONAL SURVEY DAY"

10th April, 2022
14:00-17:00 Hrs (IST)

For enquires, contact
Mr Palash Das - +91 9679834202

+91 81005 00600 www.omdayal.com
contact@omdayal.com

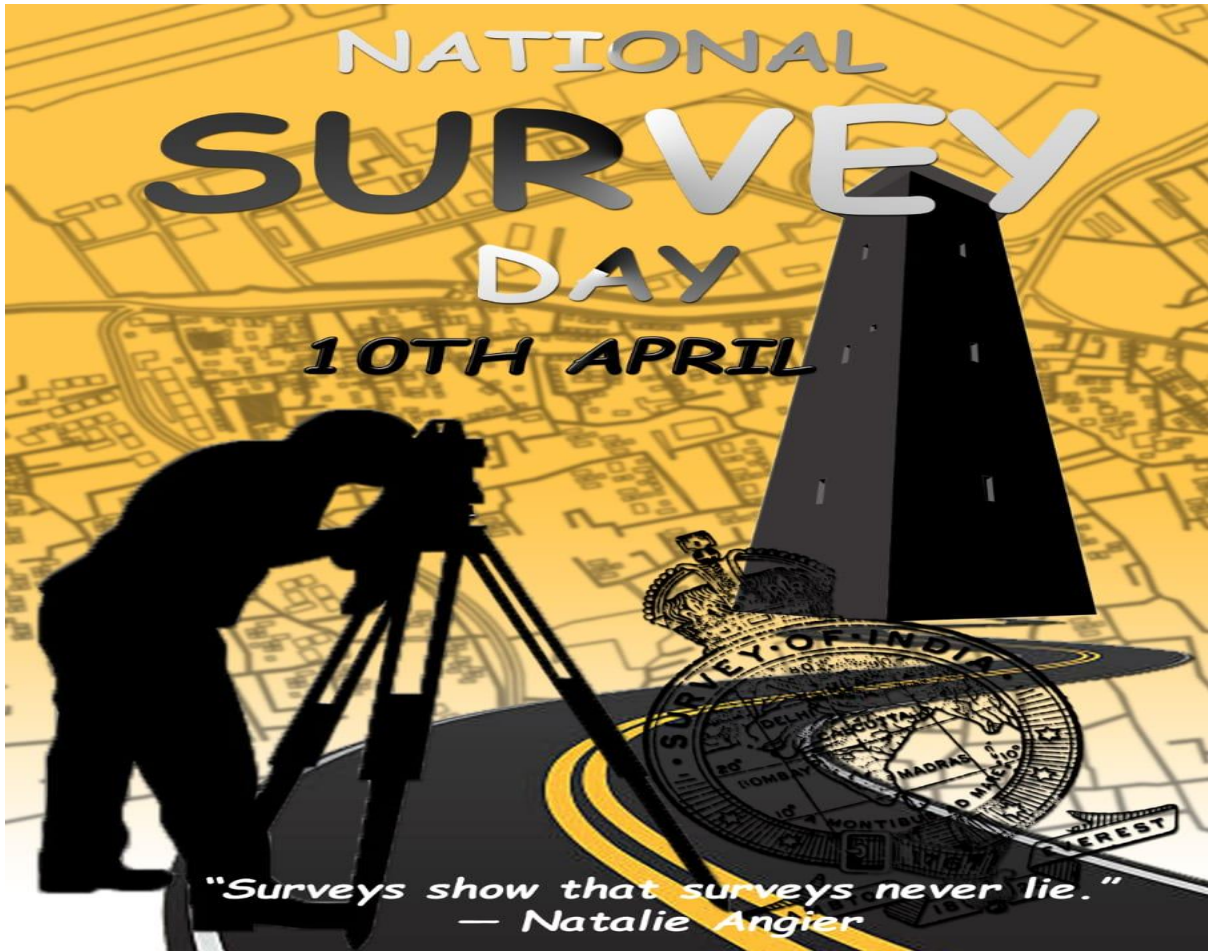
POSTER OF THE EVENT

Prior to the program, the department released a poster for the online competition two weeks before. 18 students participated in the program for the online Poster Presentation competition. They gave presentations on various topics like Drone Survey, Life of a Surveyor, Remote Sensing, etc.

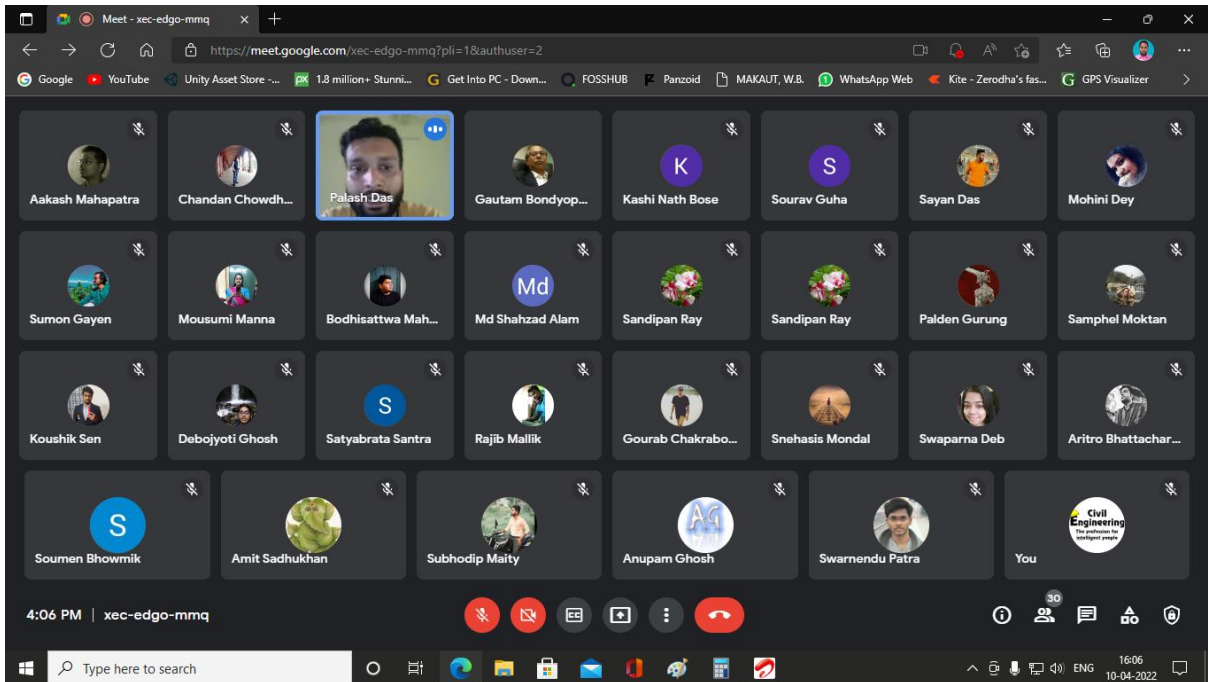
A panel was there to judge the presentation and after the presentation the panel announced the best three posters in order of I,II &III. The three hour long program ended with the best wishes and encouragement from the Head of The Department and other faculty members of Civil Engineering Department-OmDayal group of Institutions to all the department students to enhance their scientific zeal expecting more participation in such future events.

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "DRONE SURVEY" for National Survey Day (10th April). The slide includes a definition of drone surveying, a list of advantages (save time, increased accuracy, improved safety, land management), and disadvantages (battery failure, high wind pressure). It also lists drone models used for surveying: DJI Phantom 4 RTK, DJI Mavic Air 2, Yuneec H520 RTK, and DJI Matrice 300 RTK. A quote by Albert Einstein is at the bottom: "Education is not the learning of many facts. But the training of the mind to think." The meeting controls at the bottom show a grid of participants: Debojyoti Ghosh, Koushik Sen, Palash Das, Swarnendu Patra, 30 others, and You. A "People" panel on the right lists participants: OmDayal Civil (You) Meeting host, Aakash Mahapatra, Amir sohel, Ankush Samanta, Bodhisattwa Mahata, Chandan Chowdhury, Debojyoti Ghosh, and Gautam Bondyopadhyay.

Presentation 1




Presentation 2



Participant and Students (Audience)

Ankush Samanta is presenting



CHAIN SURVEY

The chain survey is the simplest method of surveying. In the chain survey, only measurements are taken in the field, and the rest work, such as plotting, calculation, etc. are done in the office. Here only linear measurements are made i.e. no angular measurements are made. This is most suitably adapted to small plane areas with very few details. If carefully done, it gives quite accurate results.

<p>ADVANTAGE:-</p> <ul style="list-style-type: none"> ➤ SIMPLE TO USE ➤ EASILY BE REPLACED ➤ DOES NOT INVOLVE COMPLICATED MATHEMATICAL CALCULATION 	<p>DISADVANTAGE:-</p> <ul style="list-style-type: none"> ➤ CAN NOT CONDUCT IN LARGE AREAS ➤ TIME CONSUMING ➤ SEVERAL CHANCES OF ERRORS 	<p>TYPES OF CHAIN:-</p> <ul style="list-style-type: none"> ➤ METRIC CHAIN ➤ STEEL BAND CHAIN ➤ GUNTER'S CHAIN ➤ ENGINEER'S CHAIN ➤ REVENUE CHAIN
--	--	--

Civil Engineering

You

Ankush Samanta


Md
Md Shahzad Alam

36 others

xec-edgo-mmq

Presentation 3

Sumon Gayen is presenting



OmDayal Group of Institutions
ENGINEERING COLLEGE | ARCHITECTURE COLLEGE
AICTE & COA approved • NAAC accredited • MAKAUT (WBUT) affiliated

National Survey Day

Highway Construction Surveying

SUMON GAYEN
2nd year, Department of civil Engineering

Highway surveys are a professional form of land survey usually undertaken by public authorities during the planning phases of a road project. A review of highway construction during the construction process will ensure that progress is made as it should, and that the highway is built exactly where it should be. After completion of the highway, a survey of the same will be used to provide an accurate layout of roadways, infrastructure, storm water drainage systems, overhead wires, surrounding houses, and other landscape features.

Civil Engineering

You

Sumon Gayen

Gautam Bondyopadhyay

32 others

xec-edgo-mmq

Presentation 4

Mousumi Manna is presenting



Check point survey accuracy must be 3X more accurate than the required accuracy data.



Principle of Remote Sensing
The source of remote sensing data is the electromagnetic radiations which are emitted or reflected by the object, which then helps in their identification and classification.

“In the early days of GIS were very lonely. No one knew what it meant.”
Roger Tomlinson, Father of GIS

REMOTE SENSING PROCESS



Remote Sensing to Detect and Monitor Trees in Various Environments: Case Studies in Chile



BASIC PRINCIPLES OF REMOTE SENSING




xec-edgo-mmq

🔇
📺
📄
🏠
⋮
📞

🔍
👤
💬
🏠
🏠

Civil Engineering
The profession for developing people

You

Mousumi Manna

Gautam Bondyopadhyay

Md

33 others

Presentation 5