



**IE(I) STUDENTS' CHAPTER-CIVIL  
CHAPTER CODE: 388120/BVME/CV  
B.V.M. ENGINEERING COLLEGE  
V.V. Nagar - 388120**



**Faculty Advisor: Prof. N.F. Umrigar**

**Chairman: Dr. L.B. Zala**

**Report of Webinar on “Use of LIDAR Technologies in  
Highways Infrastructure Development”**

IE(I) Students' Chapter Civil BVM, organised a webinar on “Use of LIDAR Technologies in Highways Infrastructure Development” by Er. Senthil Kumar V. (Senior Geospatial Engineer at L&T) on 30<sup>th</sup> January 2021 via Google Meet platform. A total of 60 participants attended the webinar from 4:30 p.m. to 5:30 p.m.

The webinar started with the opening remarks of Dr. L.B. Zala, HOD Civil department, BVM Engineering College. He welcomed everyone and introduced Er. Senthil Kumar to the participants. Er. Senthil Kumar gave a brief introduction about him and his experience in LIDAR technology.

**Program Outcomes:**

1. Participants got to know about the LIDAR technology and its uses in actual practice.
2. Understanding the working principle of LIDAR.
3. They got to know about the advantages of LIDAR.
4. They got to learn about different types of LIDAR and their applications.

## **Webinar Expert:**

●Er. Senthil Kumar V.

Senior Geospatial Engineer at L&T

The Speaker started with an introduction to the topic and why we use LIDAR technologies in Highways infrastructure development. Then, he showed the different surveying techniques and how LIDAR compares to them. He briefed about the different types of LIDAR with their applications. He also explained the working principle of the LIDAR technology. Then, he gave a glimpse of the different LIDAR devices available in the market and those used by the professionals. He concluded the session by thanking the IE(I) team and the faculty members. A question and answer session was conducted after that. The webinar concluded with a vote of thanks by Prof. N.F. Umrigar.

## **Contents:**

The topics that were briefly covered were:

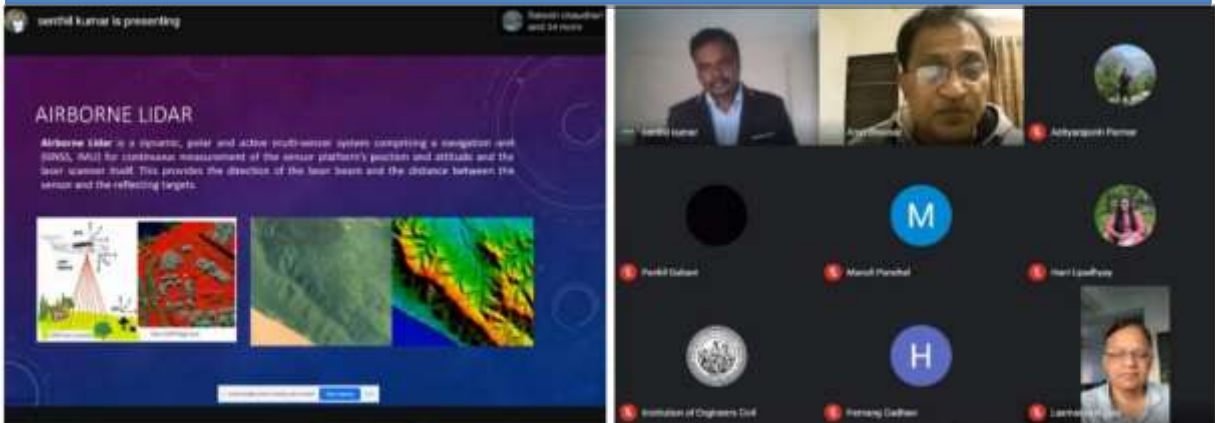
- “What is LIDAR?”
- “Types of LIDAR and their application.”
- “Working principle of LIDAR.”
- “Components of LIDAR”
- “Comparison of LIDAR with other surveying techniques.”
- “Data interpretation process.”
- “Why is LIDAR technique used.”
- “Its advantages over conventional survey techniques.”

## Snapshots:

“Use of LIDAR Technologies in Highways Infrastructure Development” A webinar Organized by IE(I) Students’ Chapter Civil, Birla Vishvakarma Mahavidyalaya.



**Speaker delivering the session**



**Interaction between the speaker and the faculty members**



**Conclusion of the session with Vote of thanks by Prof. N.F.Umrigar**