**LIDAR MAPPING (ArIES Project):-**

**Team Members:-**

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2) Himanshu Pal.

3) Manroop Singh.

4) Md. Rehan Shakoor.

**Mentors:-**

1) Asleesha Komarapu.

2) Lakshay Madaan.

**Main Objective:-**

The project's main objective is to perform 3D LIDAR mapping using ALTM (Airborne Laser Terrain Mapping) technology.

**Project work is divided into three phases**.

1. To generate LIDAR data using the software.
2. To plot graphs on MatLab using the generated data.
3. Simulate the whole process using a LIDAR sensor on a UAV.

**Work done till now:-**

1. **Till (27-04-2021) :-**
2. LIDAR data is downloaded from [https://portal.opentopography.org/datasets](https://portal.opentopography.org/datasets%20%20)  in .LAS and .LAZ (compressed version of .LAS) format.
3. From LIDAR data map is generated using MATLAB software. For this, LIDAR toolbox is used.

Below is the final map generated from the data. Chart, surface chart

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