



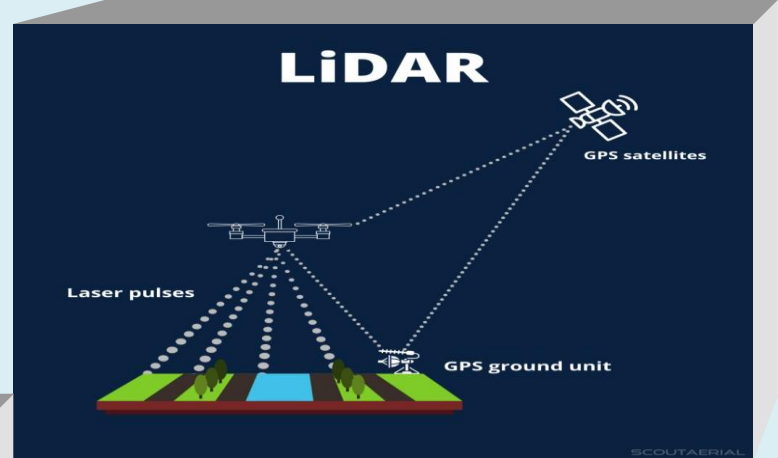
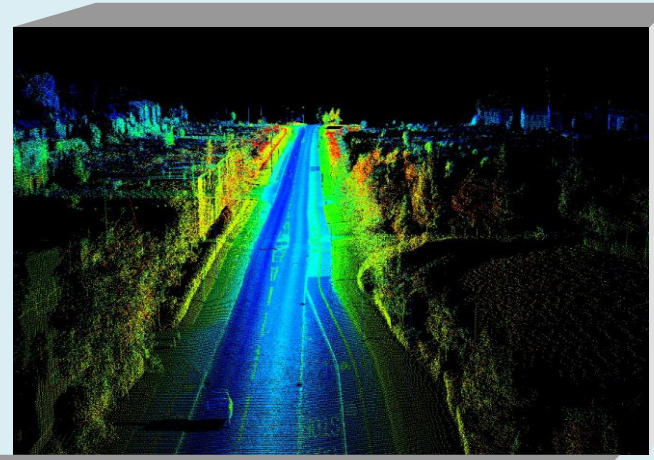
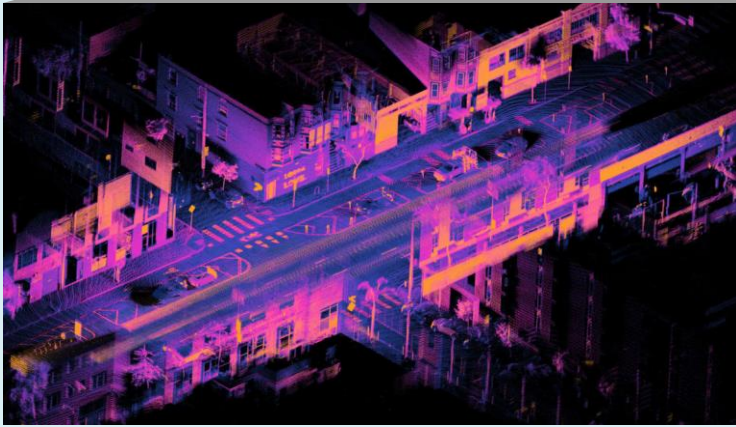
INTERNATIONAL INSTITUTE OF GEOSPATIAL SCIENCE & TECHNOLOGY (IIGST)

A constituent unit of SAIARD & authorized CPTR Centre of Maulana Abul Kalam Azad University of Technology (MAKAUT), Govt. of W.B.

Presents

One Month Project Based Hands-on Training Program on **LiDAR Point Cloud Processing**

7 May – 5 June. 2022



Registration Details

Class Timing: 7.00–9.00 pm

Class Mode: Both Online & Offline

Seat limitations: 30

Job Support: Yes

Last date to Apply: 04/05/2022
(*First cum first serve basis)

Application Link:

<https://bit.ly/3ju4lut>

Registration fees: 3000/- (INR)

Bank Details

Bank- SBI

Account No- 38377901244

IFSC Code- SBIN0016629

Beneficiary Name- SAIARD

Paytm No: 8777433044

For any queries

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Training Topics overview

Day 1 : 1. Licensing the software. 2. Introduction to LiDAR Technology 3. Basics of LiDAR Data acquisition, 4. How LiDAR works & Applications in mapping 5. Load and save laser data in various formats 6. Learning of Project toolset.

Day 2 : Hands on training assistance of Day1 tasks.

Day 3 : 1. Project related discussion 2. Coordinate system settings and transformations 3. Load trajectories & project setup 4. Import and split trajectories 5. Load and display laser data, measure point density 6. Create a LiDAR project and import points 7. Design block boundaries & define project

Day 4 : Hands on training assistance of Day3 tasks.

Day 5 : 1. Understanding of flight line miss-matches 2. Point cloud strip adjustments. 3. Eliminating errors with GCP Correction. 4. Rectifying overlapping flight line point clouds.

Day 6 : Hands on training assistance of Day5 tasks.

Day 7 : 1. Remove points from overlapping flight lines 2. Classification Routines of LiDAR 3. Automatic tools for class segmentations 4. Classification of project using Macro 5. Classification using vectors 6. Advance clean-up of residual error using manual correction

Day 8 : Hands on training assistance of Day7 tasks.

Day 9 : 1. Water modelling with bare ground DTM 2. Generate GIS product as DEM, DTM, Lattice Model, Contours 3. Semi-Automatic Vectorization of features 4. Generate GIS product classified polygons for thematic modelling.

Day 10 : Hands on training assistance of Day9 tasks.