



2 Months/22 Hrs Hands-on Online Training Course

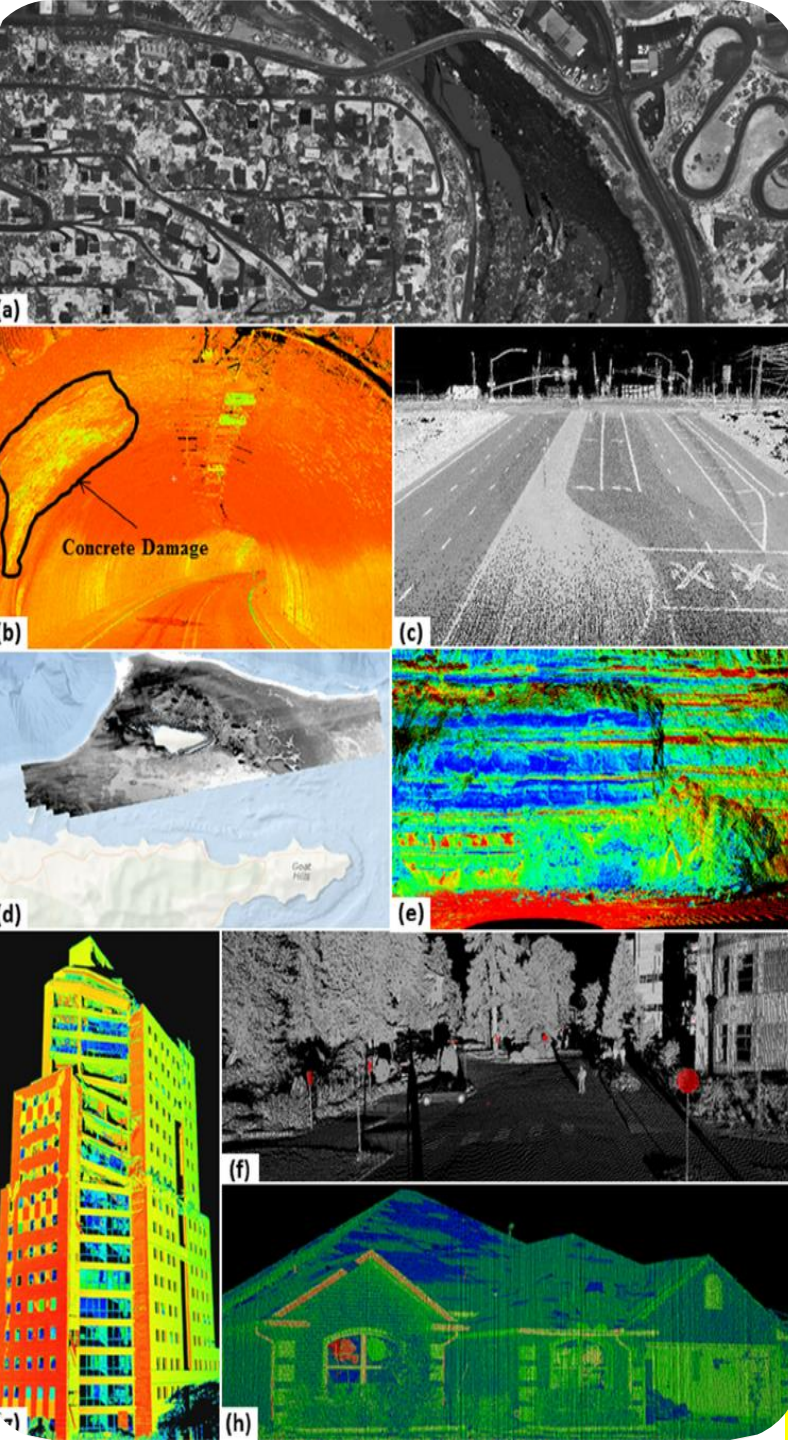
On

# APPLICATION OF MACHINE LEARNING AND DEEP LEARNING IN GIS AND REMOTE SENSING

*Organised by*

**International Institute of Geospatial Science & Technology**

(A Constituent unit of SAIARD)



16<sup>th</sup> January to 15<sup>th</sup> March 2022

Every Sunday@ 3.00 – 6.00 pm

For Details: [www.iigst.in](http://www.iigst.in) Email: [iigstkolkata@gmail.com](mailto:iigstkolkata@gmail.com) ;

WhatsApp: +91-6295431557,

# TRAINING OVERVIEW

## Day1

- Introduction
- Installing plugins
- Machine Learning
- Machine Learning in GIS
- Supervised and Unsupervised Learning

## Day2

- Algorithms for Image classification
- Classification algorithms for Supervised and Unsupervised Learning
- Land cover classification

## Day3

- Unsupervised LULC image classification
- Unsupervised learning in QGIS and Arc GIS

## Day4

- Supervised classification in Arc GIS and QGIS

## Day5

- Image segmentation in GIS
- Object based image classification

## Day6

- Regression modelling in GIS
- OSL modelling in GIS

## Day7

- Deep Learning in ArcGIS Pro
- Introduction to Neural Network

## Day8

- Deep Learning CNN model
- Application of deep learning model

## Day9

- Hands-on project work.
- Query solving regarding practical

## Area Covers

## Resource Persons

IIGST & Industry Professionals

## Seat Limitations

Nil

## Minimum eligibility

Graduation

## Course Fees

2999/-

## Mode of Training

Online

## Last Date of Application

15.01.22

## Bank Details

Bank- **SBI**, Beneficiary Name- **SAIARD**  
Acc. No- **38377901244** IFSC Code:**SBIN0016629**

**Study Materials , Data Sets & Certificates  
will be provided to the participants**

## Admission Link

<https://forms.gle/uQLTKLsXURKVFsoj7>