# Remote Sensing with Google Earth Engine

## Value Addition | Offline/Online

### Duration: 32 hours

## *REGISTER NOW*

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# KHAGOLAM
## Institute of Geoinformatics

# Course Information

Course Title: **Remote Sensing with Google Earth Engine**
Duration: **32 hours**
Training Modes: **Offline/Online/Hybrid | Full-time/Part-time**
Timing**: Min 3 hours/day | Max 8 hours/day**

# Course Eligibility

- Basic knowledge of computers and web
- Knowledge of remote sensing fundamentals
- Syntax of JavaScripts will be added benefits

# Fee

20,000 INR, for resident Nationals of India, Nepal, Bhutan, Bangladesh, Sri Lanka and Maldives, & Myanmar.

275 USD, For Non-Residents of India.

**INSTALMENTS:**     5,000 on registration.
                     15,000 - before the course starts.

| **Software's** | **Technologies** |
|---|---|
| 1.  Google Earth Engine | 1.  Remote Sensing<br>2.  Data Science (Machine Learning, AI) in Remote Sensing |

# Overview

Google Earth Engine is a cloud-based platform for planetary-scale environmental data analysis. The main components of Earth Engine are: Datasets: A petabyte-scale archive of publicly available remotely sensed imagery and other data.

This course will teach you from basic java script fundamentals and then take you through step by step  remote sensing operation like loading

data, defining AOI, supervise and un-supervise classification, NDVI and more…

## You will learn to

1.  Understand fundamentals of remote sensing, application and how it works
2.  Understand JavaScript syntax, variable declaration, if/else, loops and object casting
3.  Write JavaScript test it, save it in GEE repository, sharing scripts
4.  Using GEE objects, getting help on GEE objects syntax, function and arguments, using code snippets
5.  Perform raster analysis. Calculating Indices, performing supervises and unsupervised classification, accuracy assessment. Symbology option for rendering raster layers, change detection
6.  Vector Data Analysis in GEE. Like Buffer, area. Symbology option for rendering vector layers
7.  Building Google Earth Engine Apps, sharing apps
8.  Case study 1: LandCover Analysis & Change detection
9.  Case study 2: Flood Mapping.

## How to Apply

Step 1: register at: https://www.khagolam.com/home/register
Step 2: Check mail for course & bank details
Step 3: Transfer payment & share transaction receipt on What's App
Step 4: You will receive registration confirmation, by SMS/Call/Whats App.

**REGISTRATION SHALL CLOSE 4 DAYS BEFORE THE START DATE. SPOT REGISTRATIONS ARE NOT ALLOWED.**

## FAQ's

*Q: Does fees include accommodation and food?*
A: No. but we can help you to get the nearest accommodation.

**Why Khagolam:**

- Specialize institute for geospatial technologies
- Job-oriented curriculum
- Comprehensive training material
- 100% placement assistance
- Professional Trainers
- Exposure to live projects
- Flexible timings
- Exposure to 3D GIS
- Practice, aptitude and interview rounds
- e-library facility

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Be in touch @