

Centre for Water Resource Management

Indian Institute of Technology (Indian School of Mines) Dhanbad



2 Days Online Training on:

Analysis & Application of open source Remote Sensing data using Google Earth Engine

Course Objective

Goal of this online training programme is to introduce Remote Sensing data analysis and application using Google Earth Engine for wide application in water resource management.



Subject Expert & Coordinator Prof. S.R. Samadder

HOC/ CWRM/ASP Deptt. of Environmental Sc. & Engg. IIT (ISM)Dhanbad, India

Prof. Samadder is the Head of Centre for Water Resource Management and an Associate Professor at the Department of Environmental Science and Engineering. He has over 17 years of experience in the field of Remote Sensing and GIS for environmental applications. Prior to joining IIT (ISM) Dhanbad formerly Indian School of Mines, Prof. Samadder worked as an Assistant Professor at NIT Bhopal. He was awarded the prestigious 'Experienced Marie Curie Post-doctoral Fellowship' and he spent 2-years as Post-doctoral fellow at University College Dublin, Ireland.

DATE: 7th and 8th July, 2022

Sessions:

10:00 AM to 01:00 PM (Morning)

03: 00 PM to 04: 30 PM (Afternoon)

Registration Google Form Link:

https://docs.google.com/forms/d/lyz2eVIv06BM4mM 0mgImTFscSakf7jL6b-Y1KOOl2E60/edit?ts=62a2c6b3



Chief Patron Prof. Rajiv Shekhar Director & Dean (R&D) IIT (ISM)Dhanbad, India



Prof. Srinivas Pasupuleti **Coordinator CWRM** Asso. Prof./ Civil Engg. IIT (ISM) Dhanbad, India



Patron Prof. Dheeraj Kumar **Deputy Director** IIT (ISM)Dhanbad, India



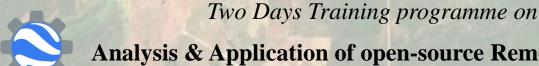
Advisor Prof. Anshumali HOD, Dept. of ESE **Coordinator ENVIS Centre** IIT (ISM) Dhanbad, India



Advisor Prof. Sagar Pal Associate Dean RI (R&D) IIT (ISM)Dhanbad, India



Advisor Prof. P. K. Singh **Coordinator CWRM** Asso. Prof./ ESE. IIT (ISM) Dhanbad, India



Analysis & Application of open-source Remote Sensing data using Google Earth Engine

Course Date: 07.07.2022 to 08.07.2022

Sessions: 10:00 AM to 01:00 PM (Morning)

03:00 PM to 04:30 PM (Afternoon)

Registration Link:

https://docs.google.com/forms/d/1yz2eVIv06BM4mM0mgImTFscSakf7jL6b-Y1KOO12E60/edit

Last date of Registration: 04.07.2022 (Monday)

Available Seats: 80 Seats (Entry will be purely on first come, first registration basis)

Certificate will only be awarded to the students with full attendance in all the training sessions.

Day	Session	Module	Instructor/ Moderator
Day-1 (07.07.22)	10:00 AM – 10:30 AM	Opening Session	SRS
	10:30 AM – 01:00 AM	Introduction to Remote Sensing, Overview of Google Earth Engine functions, and operations	PS
	03:00 PM – 04:30 PM	Working with Raster data and vector data in Google Earth Engine.	VS
Day-2 (08.07.2022)	10:00 AM – 11: 30 AM	Passive and Active Remote Sensing Data Classification	PS
	11:30 AM – 01:00 PM	Data Visualization, Time Series Analysis	VS
	03:00 PM- 04:00 PM	Application of Google Earth Engine for Water Resource Management Application	VS & PS
	04:00 PM- 04:45 PM	Expert Lecture: A case study on RS & GIS application for rainfall runoff management and drainage system design.	SRS
	04:45 PM- 05:00 PM	Closing Session and Vote of Thanks	SRS



Course Instructors:

SRS: Prof. S. R. Samadder (HOC/CWRM), Associate Professor, Department of Environmental Science and Engineering, IIT (ISM) Dhanbad



VS: Mr. Vivek Singh (Senior Research Fellow), Department of Environmental Science and Engineering, IIT (ISM) Dhanbad



PS: Mr. Purnendu Sardar (Senior Research Fellow), Department of Environmental Science and Engineering, IIT (ISM) Dhanbad