

“ഭരണഭാഷ മാതൃഭാഷ”

പൊതുവിദ്യാഭ്യാസ ഡയറക്ടറുടെ
കാര്യാലയം, ഹയർസെക്കന്ററി വിഭാഗം,
ഹൗസിംഗ് ബോർഡ് ബിൽഡിംഗ്സ്,
ശാന്തിനഗർ, തിരുവനന്തപുരം.
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നം.എസിഡിഎസ്.പി.സി(1)/5218/2023/എച്ച്.എസ്.ഇ

തീയതി. 03/07/2023

സർക്കുലർ

വിഷയം: ഹ.സെ.വി.- ISRO Disaster Management - ലാൻഡ് സ്ലൈഡിങ്ങിനെ കുറിച്ച് ഒരാഴ്ചത്തെ ട്രെയിനിംഗിൽ പങ്കെടുക്കുന്നത് - സംബന്ധിച്ച്.

സൂചന: 29/05/2023 തീയതിയിലെ യൂണിവേഴ്സിറ്റി ഓഫ് കേരള ജിയോളജി വകുപ്പിൽ നിന്നുള്ള ഇ-മെയിൽ സന്ദേശം.

കേരള യൂണിവേഴ്സിറ്റിയിൽ ജിയോളജി ഡിപ്പാർട്ട്മെന്റ് സംയുക്തമായി ‘Landslides Mitigation Strategies using Remotely Sensed Data And Open Source GIS Tools’ എന്ന വിഷയത്തെക്കുറിച്ച് ജൂലൈ 31 മുതൽ ആഗസ്റ്റ് 5 വരെ ശില്പശാല സംഘടിപ്പിക്കുന്നതായി സൂചന പ്രകാരം അറിയിച്ചിട്ടുണ്ട്. താല്പര്യമുള്ള ജ്യോഗ്രഫി ജിയോളജി അധ്യാപകർക്ക് സർവ്വകലാശാലയുമായി ബന്ധപ്പെട്ട് പങ്കെടുക്കാവുന്നതാണ്.

ഒപ്പ്
ജോയിന്റ് ഡയറക്ടർ
(അക്കാദമിക്)

ബന്ധപ്പെടേണ്ട മേൽവിലാസം

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Course Venue and Time

Venue : Central Laboratory for Instrumentation and Facilitation (CLIF),
University of Kerala, Kariyavattom-695 581, Thiruvananthapuram

Timing : 10 am to 5 pm (1-2 pm lunch break)

Course Coordinators

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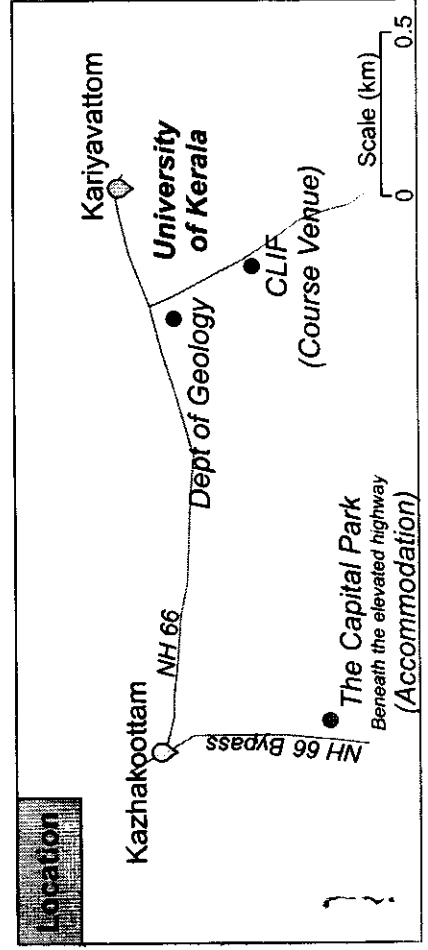
DEPARTMENT OF GEOLOGY
University of Kerala, Kariyavattom P.O.
Thiruvananthapuram-695581, Kerala

Organizing Committee

Dr. Shaji E., Head and Associate Professor (Convener)
Dr. R. B. Binoj Kumar, Professor (Co-Convener)
Dr. Rajesh Reghunath, Professor (Member)
Dr. Anilkumar Y., Assistant Professor (Member)
Dr. S.G. Dhanil Dev, Assistant Professor (Member)

Key Resourcepersons

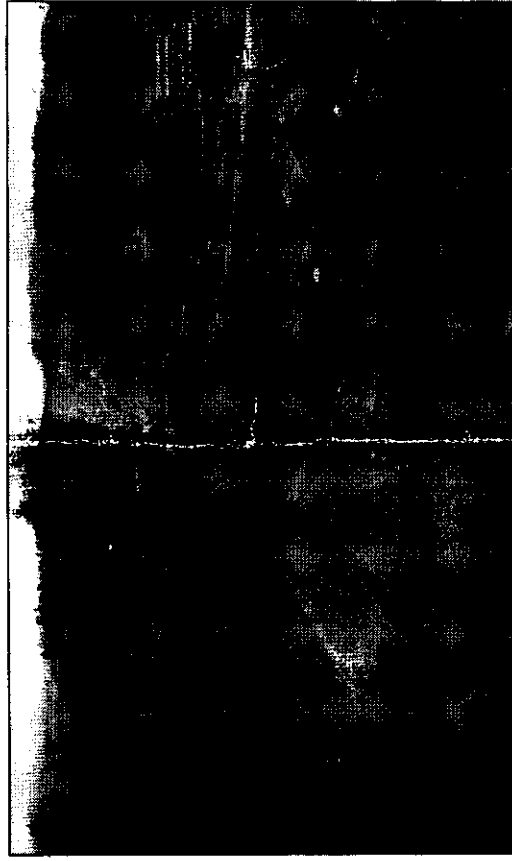
Dr. Tapas Ranjan Martha, NRSC, Hyderabad
Dr. Yunus P. Ali, IISER Mohali
Dr. Girish Gopinath, KUFOS, Kochi



Landslide mitigation strategies using remotely sensed data and open source GIS tools

31 July - 5 August 2023

(1 week program)



Funded by

ISRO Disaster Management Support Program



Organized by

**Department of Geology, University of Kerala
Thiruvananthapuram**





The Department of Geology, University of Kerala

The Department of Geology in the University of Kerala, with its six decades of existence, has maintained high standards amongst the earth science departments in the country and has produced several eminent earth scientists. The department offers post-graduate and research programs and trains students to be scientists, academicians and professional geologists. The department is presently equipped with the smart class rooms, well-stocked library and state-of-the-art laboratories including geoinformatics lab. The current training program will focus on the state-of-the-art tools and techniques on freely available remotely sensed data and open source GIS software for landslide mitigation, and the participants will gain a hands-on experience in using the open-source software (QGIS) and its functionalities to handle diverse spatial data for disaster management.

Disaster Management Support Program

Indian Space Research Organization's (ISRO) Disaster Management Support Program (DMSP) has been actively aiding the Central and State governments by providing operational services using space systems during the pre-disaster, disaster, and post-disaster time frames, including experimental forecasts. Capacity Building (CB) in disaster management space technology has been regarded as a critical component of long-term and efficient catastrophe management. DMSP-CB is one such one-of-a-kind endeavors supported by ISRO and launched to meet the country's CB requirements.

ISRO Department of Geology Linkage

Department of Geology has a long standing academic collaboration with ISRO. Through the RESPOND program of ISRO, the Department of Geology has entered a 5-year MoU (2016-2021) and established a lab, named Laboratory for Earth Resource Information System (LERIS). This lab is extensively engaged in Earth and Planetary science studies. Department of Geology was thus endowed with projects on Mars Orbiter Mission (MOM) and Chandrayaan-2, and studies on extra-terrestrial landslides and meteorite impact ejecta spallation were done.

Landslide mitigation strategies using remotely sensed data and open source GIS tools

Objectives

CB course on state-of-the-art tools and techniques on freely available remotely sensed data and open source GIS for landslide mitigation.

Course Content

Remote Sensing and GIS techniques
GPS and its applications
Identification of landslide conditioning and triggering factors
Mapping of landslide using Google Earth images
Susceptibility mapping and hazard zonation

Who Can Apply?

Local Self Government/Revenue/Land use officials
Geologists from Mining and Geology Department
Hazard Analysts from Kerala State Disaster Management Authority
Geologists from Geological Survey of India
Higher Secondary School/College teachers
Scientists from Soil conservation departments
Scientists from other Earth Science Organizations
*Minimum educational qualification: M.Sc. in Geology/Geography/Environmental Sciences/Agriculture or B.Tech. in Civil Engineering
#Nomination/Recommendation letter from the competent authority is mandatory
\$Maximum of 3 candidates per institute/department/organization will be selected

Registration

Last date for registration : 24 June 2023
Date of confirmation : 30 June 2023
Mode of conduct : Offline
No. of seats : 25-30
Registration fees : Nil
Registration : Scan the QR code or click the link and fill the Google form



<https://forms.gle/NGTZQf95hCzt9jHA>

Other Details

Accommodation : Shared room for outstation participants
Food : Tea and working lunch will be available
Travel : TA for outstation participants (II AC train; shortest route)