

**Intensive Training Programme for
THE YOUNG GEOMORPHOLOGISTS OF INDIA
(3rd Edition)**



www.indiageomorph.org/younggeomorphologistsforum

**Theme: Application of UAV (Drone) in Geomorphological
Studies and Environmental Monitoring**

Organized by

Indian Institute of Geomorphologists–Young Geomorphologists Forum (IGI–YGF)

In collaboration with

Computer Aided Design (CAD) Centre, Jadavpur University

(02 March — 05 March 2023)

Registration link: <https://forms.gle/tbeJfb2TR3KaaZi1A>





3rd INTENSIVE TRAINING PROGRAMME FOR THE YOUNG GEOMORPHOLOGISTS

THE PROGRAMME

In order to promote and popularize geomorphological research among the young researchers, the 3rd edition of the intensive training programme for the Young Geomorphologists will be organised during **02-05 March 2023** by the Indian Institute of Geomorphologists (IGI)–Young Geomorphologists Forum (YGF). This is also going to be an International Association of Geomorphologists (IAG)– approved training programme.

The 1st edition of this programme was held in Kolkata, India, during March 2020 and it was comprised of lecture series, laboratory- and field-based hands-on exercises, and field visit. The 2nd edition of the training programme was held in online mode and 100 participants registered for the training programme.

The upcoming event will be a good opportunity for the young researchers to learn about recent trends in geomorphology-related research, innovative techniques, usage of modern equipment and multidisciplinary approaches in geomorphology. Special emphasis will be given on application of Unmanned Aerial Vehicle (UAV) technology in Geomorphological research and environmental monitoring.

UAV popularly known as Drone technology has brought new dimension to the field of Geomorphology. The UAVs enable accurate, flexible, and low-cost measurements of 3D, radiometric, and temporal properties of earth features with high quality cameras, GPS, and precise processing. This technology has a great potential in applications like geomorphological mapping, natural resource monitoring, and disaster management. The UAV technology is more convenient and cost-effectiveness as compared to conventional air borne/space borne systems. In view of the present and future potential of this emerging technology, Indian Institute of Geomorphologists (IGI)-Young Geomorphologists Forum (YGF) offers a **four days intensive training course on UAV technology and its application**.

The workshop is aimed to the: • deliberation on the present global status of drones • introduction of drones and its applications among the young researchers • application prospects of drones in the field of geomorphology, environmental monitoring, and disaster management.

INDIAN INSTITUTE OF GEOMORPHOLOGISTS (IGI)

Indian Institute of Geomorphologists (IGI), established in 1987, is the national platform exclusively dedicated to the research and development in the field of geomorphology in India. Affiliated to the International Association of Geomorphologists (IAG), the primary objectives of the IGI are • to bring all earth scientists dealing with geomorphology and allied disciplines on a



common platform; • to hold annual conferences in different parts of the country; • to publish a research journal; • to encourage young scholars in doing research in geomorphology; and • to give emphasis on research related to human society and its welfare *viz.* environmental geomorphology, urban geomorphology, environmental hazards and their management.

YOUNG GEOMORPHOLOGISTS FORUM – INDIA

As per the decision of the International Association of Geomorphologists (IAG) that all National Scientific Members would have to promote the Young Geomorphologists. Based on this, the Executive Council as well as the General House of the Indian Institute of Geomorphologists (IGI) (A National Scientific Member of the IAG) in their meeting held on 04.10.2019 have approved to form a YOUNG GEOMORPHOLOGISTS FORUM under the banner of the IGI with the following objectives.

- Promotion and popularization of geomorphological research among the Indian young geomorphologists
- Favoring the interaction of Indian Young Geomorphologists with the international geomorphological community.
- Becoming aware and favouring participation in IAG activities, with special reference to the IAG training programme.
- Training them for carrying out geomorphological research both in the field and laboratory.

On the basis of the present selection criteria of the forum, **Dr. Kapil Ghosh** and **Dr. Aadil M Nanda** have been elected as the President and Vice-President, respectively for 2022–23.

CAD CENTRE, JADAVPUR UNIVERSITY

The Computer Aided Design (CAD) Centre was founded in the year 1985 and is known to be one of the pioneering institutions of eastern India to empower individuals to challenge conventional thinking in pursuit of original innovative ideas. The Centre functions under the Faculty Council of Engineering & Technology, Jadavpur University, Kolkata.

CAD centre offers skill development, research, and capacity building in the emerging technologies like CAD / STAAD, Geoinformatics, Remote Sensing, Multimedia & Animation, Computer Programming, and Digital Security with a positive learning experience.

Under the guidance of renowned administrators, directors, and faculties, the research and training services in 2020 marked its 35 years of excellence. A large group of certified professionals, academicians, entrepreneurs, researchers, and students from CAD Centre are now at key positions at various esteemed organizations all around the globe.



**YGF-INDIA
2023**

OVERVIEW OF THEMES

- *Career in Geomorphology*
- *Overview on UAV technology*
- *UAV-based image processing and mapping*
- *Field visit in coastal environment*

VENUE

The training programme will be held in CAD Centre, Jadavpur University, Jadavpur, Kolkata – 700032. Field training (on 05 March 2023) will be held in coastal area of the Indian Sundarban. The detail programme schedule will be provided to the selected participants in advance.

REGISTRATION

Young geomorphologists who are willing to take part in this intensive training programme are expected to have clear understanding of geomorphology and interest in the research domain along with basic knowledge in statistics, field instruments, and RS-GIS. It is mandatory for the applicants to complete their respective master courses. Early carrier researchers who have completed their Ph.D. may also apply. Apart from the interest in the subject, there is no other specific criteria for selection and the applicants are to be selected on **first-come, first-serve basis**.

Young researchers (preferably up to the age of 35 years) will get precedence over others. The filled-in registration form pertaining to the programme must be submitted through <https://forms.gle/tbeJfb2TR3KaaZi1A> on or before 20 February 2023. The selected participants will be notified via email only.

SEAT CAPACITY

In total, **40 participants** will be accommodated for this training course from India and abroad.

REGISTRATION FEE

Rs. 2,700/- (Rupees two thousand seven hundred only) per participants for the total duration of the course.

Registration charges for the participants include participation, working lunch, workshop kit and field trip (*Excluding accommodation*). Spot registration will not be available to attend the course.

The payment for registration to the course will be made through online using the following bank details (Online payment by debit card, credit card, net banking, and UPI) to complete the registration process.



BANK DETAILS

Name of the Bank: State Bank of India

Account Name: 9TH INTERNATIONAL CONFERENCE OF GEOMORPHOLOGY

Account Number: 34030191439

IFSC Code: SBIN0004254



REFUND OF REGISTRATION FEE

There is no provision of refunding the registration fee for the selected participants.

PREPAREDNESS BEFORE ONLINE REGISTRATION

Soft copy of recent passport-sized photograph in JPG/JPEG and size not exceeding 100 kb. Soft copy (scan/ screenshot) of your payment details.

REGISTRATION PROCESS

Click or enter the following URL in your browser: (QR CODE is also provided) Fill the following details for INDIVIDUAL registration (Full name, address, contact details, affiliation, etc.). Fill the transaction details of the registration fee (Bank Name, Transaction ID, Date etc.)

Link for Registration: <https://forms.gle/tbeJfb2TR3KaaZi1A>



IMPORTANT DATES

Application submission open:	08 February 2023
Application submission deadline:	20 February 2023
Registration fee payment deadline:	20 February 2023
Notification of selection:	21 February 2023

ACCOMMODATION

Outstation participants would be provided modest facilities for stay (accommodation) as per their request. However, they must pay the charges in addition to the registration fee. For accommodation booking, please contact to the convener of the training programme.

CONTACT INFORMATION

Please feel free to contact the organisers regarding any query at igi.ygf2020@gmail.com

Dr. Kapil Ghosh, *Convener*

Mobile: +91-9735163184

Email: ghoshk.geo@gmail.com

Mr. Pritam Kumar Santra, *Organising Secretary*

Mobile: +91-9635929026

Email: santrapritam11@gmail.com



ORGANISING COMMITTEE

Chairperson(s) : Prof. Chiranjib Bhattacharjee, Pro-Vice Chancellor, *Jadavpur University*
Prof. Sunil Kumar De, *North Eastern Hill University*
Prof. Sunando Bandyopadhyay, *University of Calcutta*
Prof. Milap Chand Sharma, *Jawaharlal Nehru University*
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Prof. Sudhakar D. Pardeshi, *Savitribai Phule Pune University*
Dr. Basudeb Bhatta, CAD Centre, *Jadavpur University*

Convener : Dr. Kapil Ghosh, *Diamond Harbour Women's University*

Co-convener : Dr. Aadil M Nanda, *University of Kashmir*

Organising Secretary : Mr. Pritam Kumar Santra, *University of Calcutta*

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