



# PRITHVI'25

Department of Geology and Geophysics  
Indian institute of Technology, Kharagpur

21-23  
MARCH

INDIAN INSTITUTE OF TECHNOLOGY

Dedicated to the service of the Nation

In association with

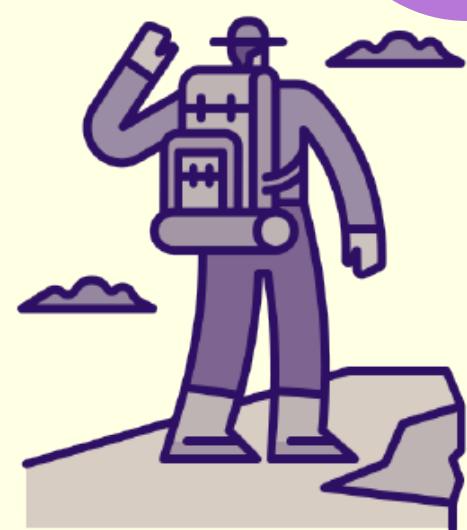


SEG  
SOCIETY OF EXPLORATION  
GEOPHYSICISTS

THE  
GEOLOGICAL  
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PRITHVI



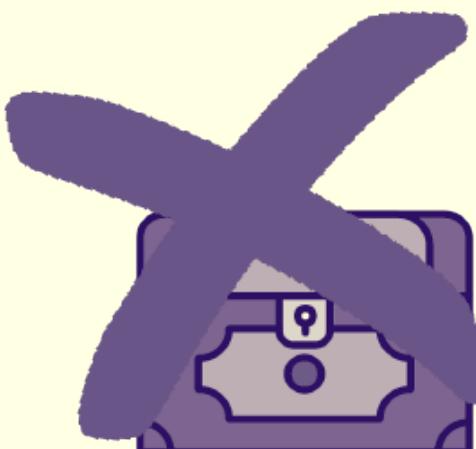
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# ABOUT PRITHVI AHD



Prithvi is the annual symposium of the Department of Geology and Geophysics along with the IIT Kharagpur student chapters of

- Society of Exploration Geophysicists (SEG)
- Society of Petroleum Geophysicists (SPG)

Prithvi is one of the largest fest of Earth Sciences in India with a participation of 600+ students from more than 60 universities all over the country. Born in 2009 with the motto of promoting technology, scientific thinking, and innovation, Prithvi has surpassed 16 golden years of creating an unmatched aura of a science and technology spectacle year after year at the IIT Kharagpur campus.

Through the myriad events held during the fest, a student is tested for theoretical knowledge and the practical application of concepts.

Thus, over time Prithvi has evolved to provide a platform for the youth to showcase their talents and skill sets in fierce competitions, display cutting-edge technology and research from all over the globe & have world-renowned personalities motivate the youth in the field of Geosciences.

Prithvi 2025 is a further step to ponder this perspective. We take immense pleasure in presenting the 13th edition of Prithvi, to be held from 21st March to 23rd March 2025 at IIT Kharagpur.

The stage is again set for a perfect meet of academia, alumni, and industry. The symposium will constitute many competitions, workshops, exhibitions, and guest lecturers focusing on exploration and various earth science fronts.





ABOUT  
SUSCOLOGY

# IIT KHARAGPUR

Being the first IIT to be established, Indian Institute of Technology Kharagpur has emerged as one of the most reputed technological institutions in the country. Recognized as an Institute of National Importance by the government of India in 1956, IIT Kharagpur spreads over 2100 acres of campus hosting the greatest number of departments and the highest student enrollment among the government-run colleges. With state-of-the-art research facilities made available to students in a diverse range of fields, this institute has carved its path to excellence.

## DEPARTMENT OF GEOLOGY & GEOPHYSICS

The Department of Geology and Geophysics at IIT Kharagpur started in 1952 and is one of the oldest and most renowned academic hubs for Earth Sciences in India and the world. It boasts an erudite faculty of great academicians who are fellows of national science academies, recipients of national-level geoscience awards, and in editorial boards of prestigious international journals. The Department is equipped with state-of-the-art labs in multiple fields.

## SOCIETY OF PETROLEUM GEOPHYSICISTS

The Society of Petroleum Geophysicists, India was born on August 15, 1992, when about 30 Geophysicists met and resolved to form an association, for improved interaction and technical exchange. The Society is a non-profit organization founded with a motive to exchange technical ideas and practical experience among the geophysical community.

## SOCIETY OF EXPLORATION GEOPHYSICISTS

The Society of Exploration Geophysicists is a not-for-profit organization that promotes the science of applied geophysics and the education of geophysicists. SEG, founded in 1930, fosters the expert and ethical practice of geophysics in the exploration and development of natural resources, in characterizing the near surface, and in mitigating earth hazards.



# GSA & ACS GSA & ACS



# **THE GEOLOGICAL SOCIETY OF AMERICA**

The Geological Society of America (GSA), founded in 1888, is a global scientific society with members from academia, government, and industry in more than 100 countries. Through its meetings, publications, and programs, GSA enhances the professional growth of geoscientists at all career levels, encourages cooperative research among earth, life, planetary, and social scientists, fosters public dialogue on geoscience issues, and promotes the geosciences in the service of humankind. GSA is headquartered in Boulder, Colorado, USA.

# **AMERICAN CHEMICAL SOCIETY**

The American Chemical Society (ACS) is a non-profit organization founded in 1876 and chartered by the U.S. Congress. Committed to enhancing lives through the transformative power of chemistry, ACS strives to advance scientific knowledge, empower a global community, and uphold scientific integrity. Its vision is a world shaped by science.



# MAJOR EVENTS



MAJOR SPONSOR



EVENT SPONSOR



TECHNICAL PARTNER



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## CASE STUDY

Case Study will be based on current live problems from the industry and the solutions will be judged based on their ingenuity, practicality and the in-depth investigation done on the particular topic. They will provide a systematic way of looking at events, collecting data, analyzing information, and reporting the results. As a result, the company experts, professors and the student community will gain a sharpened understanding of why the instance happened as it did, and what might become important to look at more extensively in future research. The Sponsor can choose to pay the sponsorship amount and/or provide internships to the winners.

## EXPLIQUE

PRITHVI presents you with a platform to present your innovative ideas and research work. Mesmerize the audience with the presentation of your completely new idea or an improvement of any existing research work on any topic related to unconventional hydrocarbon sources. Grab this opportunity to spark your idea into the minds of the experts.

## GEO-SPECTRUM

GEO-Spectrum is a Quiz competition that will test the participants' quizzing aptitude on a broad spectrum of subjects from Earth Sciences. Though the major emphasis will be on exploration, it will touch many other facets of geosciences with a very interesting format. It will be held in two phases. The first phase is the written round and the next phase comprises oral questions including audio and visual rounds. Initial shortlisting would be done in the first two rounds and the top scorers will advance to the next stage. This is going to check their command over a wide range of subjects.

## BRAINSTORM

When the whole world is asleep, the students at the PRITHVI arena would be racking their brains to solve questions in the Overnight Problem Solving Questions designed to test the aptitude, intelligence and knowledge of students. Groups of 2-4 students will exercise their brains to solve questions ranging from wide areas such as Physical Geology, Sequence Stratigraphy, Seismic Interpretation to Structural Geology. The students will be given a night to come up with their solutions and will be judged on the number of questions solved by each group. This event requires analytical aptitude with good accuracy.



## **GEO-MODELLING**

If you are highly creative so there is no point in locking away your fantasy in your mind. Geo-modelling provides one an opportunity to depict various surface/ subsurface geological processes taking place in the Earth system with dynamic models. Use your incredible ideas most innovatively and share your 3D models. Participating teams need to present a working model. The model may depict a geological/geophysical/ petroleum setting or phenomenon. Participants can also present a 3D design of a model on any software.

## **POSTER PRESENTATION**

Making Posters is the best way to convey information about a topic. It requires submission of posters on recently published papers (2008-2009) or ongoing research/projects in the field of Geo-Exploration. Typically posters include both textual and graphic elements, although a poster may be either wholly graphical or wholly textual. Posters are designed to be both eye-catching and convey information. The precise topics will be displayed on the website. The last date for submission of the abstract will be 2 weeks before the event. Authors of the selected abstract will be informed within a week. The judge's panel will comprise eminent people from academia and industry.

## **MINREX**

This fresh event is aimed at testing the students' mineral identification skills. It will be a challenging experience for them to maneuver the minerals and rock samples through the various properties: observing the streak, hardness, luster, cleavages and other physical properties as well as seeing the minerals in depth - as deep as with microscopes on thin sections. A combination of these two is sure to complete a proper sweep of the student's mineral identification skills in all authenticity. This is a truly mind-churning event.

## **INDIANA GEONES**

PRITHVI presents a treasure hunt for our budding young Geoscientists who fathom themselves as modern Indiana Jones. The task involves using geophysical prospecting methods to locate objects whose expected geophysical properties are known. The instruments and data processing equipment will be provided. The design of the survey/experiment and its successful execution will be the challenge. It will be exactly what is done in the field for exploration.

# Spons er tip s



# SPONSORSHIP

## Why associate with us?

Over the years, Prithvi has become the largest and most famous student-organized symposium of Earth Science in India. With research in Earth Science gearing up, IIT Kharagpur is placed number one in the quality of its studies and students.

**PARTICIPATION:** More than 60 universities across India along with some international institutes have been a part of Prithvi. Students ranging from undergraduate to Ph.D. congregate to witness the events. With such a wide reach, we have been successful in sharing knowledge, ideas, and expertise that connects across all the domains of Geosciences. On the flip side, we have eminent scientists, researchers and industry leaders forming a rich knowledge pool for the seminars.

**EVENTS:** Prithvi has a plethora of events. Some common events like Quiz, Guest talks, Case studies, Poster and paper presentations are mainstream so team Prithvi took a step ahead and introduced more application-based events like mineral & rocks identification, Field measurements, Geo-Modelling and discussions cum debates to make learning a fun process. You can take this chance to capture any aspect of your company to introduce a new event or set a problem statement where students from all over India will provide their unique solutions.

**CORPORATE SOCIAL RESPONSIBILITY:** Prithvi is an educational platform where we aim to enrich India's earth science studies. It will be the best avenue for you to associate with us where together we can make India the Hub of Research and Development and industrial workforce.

**LONG-TERM ASSOCIATION OUR ASSOCIATION:** Our association will not be limited to a few days or months. It will be a prolonged relationship where IIT Kharagpur can help the Industry in training, R&D, and student placements. Prithvi is an opportunity where your brand will be managed by our industrial team and you will be showcased not only during the events but both pre & post-events. Our media associations and online partners will provide nationwide publicity.

# **Deliverables before the Meet**

- The company's name and logo will be printed on all notices and posters regarding PRITHVI 2025 before the meeting as our major sponsor.
- All publicity material dispatched to over 100 universities – National and International will have the sponsor's logo. This includes approximately 15 different types of posters, presentations invitation letters, notices and pamphlets PRITHVI email sent to all registered users would carry the Major Sponsor's logo.
- The logo will be placed on our website.

# **Deliverables during the Meet**

- Major Sponsor's logo will be present in all publications by the Prithvi team with special mentions as Major sponsor of Prithvi 2025.
- Banners and flags of the major sponsor will be put up at prominent places on the campus and the venue of the meet,
- The Major sponsor is entitled to distribute potential material during the meet.
- Local Transport and hospitality of 3 company representatives will be provided.

# **Deliverables after the Meet**

- The major sponsor's logo will be printed along with a short advertisement in the Souvenir, which will be sent to all our potential sponsors, our alumni, and educational institutes worldwide.
- The logo of the major Sponsor along with the hyperlink to its website will be given on the PRITHVI website for 2 years.

# PAST SPONSORS



# CONTACT US



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