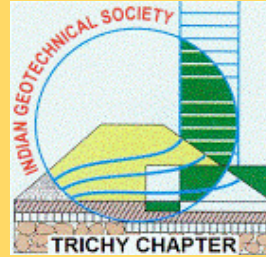




**GEO
CHAMPIONS
2023**

Winners will be awarded a cash
prize of

INR (IGS) 75,000/-



COMMEMORATING

**THE 75TH YEAR DIAMOND JUBILEE OF
THE INDIAN GEOTECHNICAL SOCIETY**

PRESENTING

GEO CHAMPIONS 2023

A NATIONAL-LEVEL STUDENT COMPETITION

Organized by

Indian Geotechnical Society Trichy Chapter

In association with

National Institute of Technology Tiruchirappalli

&

National Institute of Technology Puducherry

Geo Champions 2023

Geo Champions 2023 is a national-level student contest that tests the knowledge, practical exposure, and critical thinking of teams of postgraduate students in the field of Geotechnical Engineering. The Geo Champions competition includes three rounds which consist of **Geo Design, Geo Prediction, and Geo Quiz**. The event is organized by the Indian Geotechnical Society Trichy Chapter in association with the National Institute of Technology Tiruchirappalli and the National Institute of Technology Puducherry to celebrate the occasion of **75th year Diamond Jubilee of the Indian Geotechnical Society**.

Eligibility:

A team should comprise Max. 2 students. The following students are eligible for the competition.

- ❖ Students pursuing their P.G. degree (M.E/M.Tech. Geotechnical Engineering/Soil Mechanics and Foundation Engineering or equivalent) in the Indian Universities/Institutes/Colleges
- ❖ Ph.D. students (Full time) who got their admissions in May 2022 or later in Indian Universities/Institutes/Colleges. The Ph.D. student should have P.G. degree in Geotechnical Engineering/Soil Mechanics and Foundation Engineering or equivalent not earlier than 2022

Note: Limited to 30 teams (First come, first basis and academic credentials)

Award:

The winners of the Geo Champions 2023 will be awarded a cash prize of INR **(IGS) 75,000/-** (Rupees Seventy Five Thousand only) during the Indian Geotechnical Conference 2023 at IIT Roorkee.

Note: *The travel (max. 3 tire AC), Accommodation (in the institute guesthouse/hostel) and registration fee (student registration) will be sponsored to the winners to attend the IGC 2023 and receive the Geo Champions 2023 award.*



Details of the Rounds:

Round I:

Geo Design

- ❖ Online Event (Limited to 30 teams (First come, first basis and academic credentials))

Description

- ✓ The *Geo Design* event promotes real-world design experience for students in the area of *Geotechnical Engineering*. The basics and design knowledge pertaining to the design of geotechnical structures will be evaluated in round I.
- ✓ The selected 30 teams will be given a real-world design problem with all necessary input data prepared by a team of industry experts
- ✓ Teams will be given 48 hrs time to complete the design
- ✓ The completed design should be submitted as a design report in the prescribed format before 48 hrs. A link will be given to submit the design
- ✓ Best 10 designs will be shortlisted to the next round

Round II:

Geo Prediction

- ❖ Offline Event (Limited to 10 teams (shortlisted from round I))

Description

- ✓ The *Geo Prediction* event promotes an accurate prediction of geotechnical behavior using empirical co-relations. Detailed information regarding subsurface, boundary, and initial conditions, as well as the geotechnical/structural/hydraulic loading, will be given.
- ✓ The 10 teams shortlisted from round I, will be called for round II. The event will be held at NIT Trichy.
- ✓ Duration of round II will be 120 mins. The teams should submit a detailed calculation/report to justify their prediction.



Round III:

Geo Quiz

❖ Offline Event (Limited to 03 teams (shortlisted from round II))

Description

- ✓ The Geo Quiz event aims to promote developing fundamental knowledge and critical thinking as well as exploring innovations, and recent advancements in the area of geotechnical engineering
- ✓ The 3 teams shortlisted from round II, will be called for round III. The event will be held at NIT Trichy.
- ✓ Duration of round III will be 60 mins. A total of twenty questions covering various aspects of geotechnical engineering such as subject knowledge (theoretical and practical), knowledge on relevant geotechnical design codes, and recent developments.

Note: The 10 teams shortlisted from the round one will get travel reimbursement (max. 3 tire AC). Accommodation will be provided to the 10 teams in the Guest House/Institute Hostel.

Tentative schedule:

Last date for Registration	15 th September, 2023
Intimation of selected teams and the issue of the design problem for round I	2 nd October, 2023
Submission of design reports	4 th October, 2023
Round I results	13 th October, 2023
Round II offline	13 th November, 2023
Round III offline	14 th November, 2023
Award of winners at IGC 2023	14 - 16 Dec 2023

Organizing Team: (IGS Trichy Chapter)

Dr. K. Muthukkumaran, Chairman, IGS Trichy,
Dr. V. Senthilkumar, Secretary, IGS Trichy,
Mr. T. Jegadeesh Kumar, Joint Secretary, IGS Trichy,
Dr. P. V. Premalatha, EC Member, IGS Trichy,
Dr. G. Venkatesan, EC Member, IGS Trichy,
Dr. S. Senthamil Kumar, EC Member, IGS Trichy,
Dr. Deendayal Rathod, EC Member, IGS Trichy,
Dr. T. Ashok Kumar, EC Member, IGS Trichy,
Dr. A. R. Prakash, EC Member, IGS Trichy,
Ms. P. Devahi, EC Member, IGS Trichy,

Registration Details

Link: <https://forms.gle/iVYZh3mGG8w2eqhf7>

Fee: Selected 30 team should pay registration fee of

Rs. 500/- (Per team)

To Contact:

Website: www.igstrichy.org Gmail: igs.trichy@gmail.com

Phone: 0431-2503198 & +91 8012270080