



WORLDQUANT BRAIN QUANTITATIVE ANALYSIS CHALLENGE



BACKGROUND

What is this competition?

This competition enables competitors to accumulate points by building “**alphas**” using historical market data on **WorldQuant BRAIN** — a web-based simulation platform. Participants in the competition can access over 100,000 data points to build their alphas. This competition focuses on developing, testing, and running alphas as well as getting familiar with the world of quantitative research and analysis in the process. WorldQuant defines an “alpha” as a mathematical model that seeks to predict the future price movement of various financial instruments.

What is Quantitative Analysis?

Quantitative analysis in finance is an approach that emphasizes mathematical and statistical analysis to help determine the value of a stock (or other financial instruments). Quantitative trading and/or research analysts (also known as “**quants**”) use a variety of data—including historical investment and stock market data—to develop trading algorithms and computer models. The information generated by these computer models helps investors analyze investment opportunities and develop what they believe will be a successful trading strategy.

Who can participate?

This competition is open only to teams from InterIIT Tech Meet 12.0.

How will the competition be structured?

The competition will consist of two stages: I. a Qualifying Stage followed by, II. a Final Stage.

Note: Only results from the final stage will be considered for the final rankings.

Qualifying Stage

1. The objective of the Qualifying Stage is to qualify for the Final Stage. Your score in the Qualifying Stage will not be considered for the final ranking.
2. The **objective** of the Qualifying Stage is to:
 - Reach **10,000 points** in the WorldQuant Challenge; and
 - Be conditionally approved as a **BRAIN Research Consultant**, in order to receive access to enhanced features and information on the WorldQuant BRAIN platform that will allow you to successfully participate in the Final Stage.
3. The Qualifying Stage is **NOT** team-based. Individuals have to register on the BRAIN platform and satisfy the criteria of the Qualifying Stage to be a part of the applicable Institute team in the Final Stage.

4. Those participants who are already BRAIN Research Consultants can directly be a part of their Institute's team and participate in the Final Stage.
5. Timelines for the Qualifying Stage have been provided under the Timeline section below.
6. All registrants will be provided appropriate resources and guidance to best position them to clear the Qualifying Stage. Dates, times and links for these information sessions are also provided in the Timeline section.
7. Interested participants who are already BRAIN Research Consultants are also welcome to attend these information sessions to re-familiarise themselves with the platform.

Final Stage

1. Final details regarding scoring and guidelines are expected to be released on the **6th of November** on the BRAIN platform. The link will be shared with all qualifying teams.
2. Skills key to excelling in the final stage, include **familiarity with the BRAIN platform, mid-frequency alpha research, Python.**
3. **Team Size:** 1-8

Timeline

NOW

1. Register yourself on the WorldQuant BRAIN platform individually at:
<https://qr.wqbrain.com/interIIT-signin>
2. Kindly use this link only to register so that we can track participants from the InterIIT Tech Meet.

QUALIFYING STAGE

- **18th October – 5th November:** Reach 10,000 points in the WorldQuant Challenge. Attend our information sessions to help you get there.
- **Information Session 1:** 23rd October 6:30 pm: <https://qr.wqbrain.com/info-session-1>
- **Information Session 2:** 30th October 6:30 pm: <https://qr.wqbrain.com/info-session-2>
- **6th November – 16th November:** Expected onboarding period for those who have reached 10,000 points and are eligible to be invited to become a BRAIN Research Consultant. Upon being conditionally approved, those participants will be eligible to be a part of the relevant Institute team for the Final Stage. Each IIT will send in their final team by the 17th of November.

FINAL STAGE

- **20th November:** Final problem statement to be released on the BRAIN platform for all teams participating in the Final Stage.
- **20th November:** Introductory Webinar sessions for Final Stage problem statement. Link for this and further information sessions to be shared closer to the date.
- **15th December:** List of top 7 teams will be released who will then present their solutions in an offline round at IIT Madras.
- **21st December:** Offline presentation and scoring of the Final Stage problem statement to occur and WorldQuant to provide the final rankings of the teams for this Inter IIT Tech Meet 12.0 PS.

Terms and Conditions

All scoring and other applicable rules and restrictions for

- (i) the Qualifying Stage shall be subject to the WorldQuant Challenge guidelines (found on the WorldQuant BRAIN platform) and
- (ii) the Final Stage shall be subject to the guidelines applicable to the Final Stage (found on the WorldQuant BRAIN platform) at that time.

In addition, all participants in each of the Qualifying Stage and the Final Stage shall be subject to the *Terms of Use* and *Platform User Agreement* found on the WorldQuant BRAIN platform.