

TCS Quantum Challenge 2023

Participant Briefing and Technical
Clarification Session

15 Dec 2023



TCS Quantum Challenge 2023 – Phase 1 Guidelines

What to Submit?

- Proposed approach to solving one or more of the challenge statements registered by the participant

Where to Submit?

- Quantum Challenge team will create **private** Github repository for each entry.
- For a team who has registered for more than 1 challenge, multiple repo(s) will be shared. E.g. 2 separate repos for 2 challenges
- Access rights in Github will be provided for Team Lead and all team members
- **Email Address for Github access:**
 - **Please note that the access rights in Github would be provided to the email-address that has been shared by the team during the registration process**
 - **For TCS associates, we are providing a flexible one-time option of sharing alternate non-TCS email-addresses for the Team Lead and Team Members. TCS Quantum Challenge will share communication with template (for changes in the email addresses) by 15-Dec-2023 and TCS associates shall revert back by 18-Dec 23:59PM IST.**
- Kindly note that in addition to the team participating into the Challenge, the organizers, mentors and jury will also have access to these private repositories in Github for assessment.
- If you face any issues, please communicate with us at quantum.challenge2023@tcs.com

When to Submit?

- Please refer to the timelines on the TCS Quantum Launch site (www.qcshub.org/tcs-challenge)

TCS Quantum Challenge 2023 – Phase 1 Guidelines

How to Submit in Github?

- TCS Quantum Challenge team will administrate the github repositories (repos) for the participants. TCS Quantum Challenge team will create a separate repository for each entry in the Challenge. Kindly note that the github repo would be different for each challenge statement (in case, a team is participating in more than once challenge statement)
- The participating team will have 'Complete Access' to add, update, or delete any files or folders in the repository assigned to them
- Each repository will have two folders named as "Phase-1" and "Phase-2". All submissions for the Phase-1 of the entry shall be submitted into "Phase-1" folder, and likewise for Phase-2. Request you to please follow this guidelines for efficient assessment.
- All participants (Team Leads and Team Members) need to have GitHub profiles with their registered Email IDs. They will receive auto-generated emails from GitHub inviting them to be collaborators in their respective repositories. **The invitation needs to be accepted within 7 days of receipt (otherwise the invitation may expire, as per Github usage T&C). Participants are requested to review their regis**
- The participant needs to be signed into their registered GitHub Accounts for accepting the invitation. Once you accept the invite, you can enter your GitHub profile dashboard to locate your shared repository

Queries

For any clarifications related with Github and related queries, please write to quantum.challenge2023@tcs.com

TCS Quantum Challenge 2023 – AWS Credits

Background

- Quantum Challenge team would share AWS Credits to the participants – along with “Participant Guide for Redeeming AWS Credits”
- Each participant is recommended to go through the guide and follow the process guidelines for usage of AWS Cloud Infrastructure
- The submission for Phase 1 shall include the resources required for Phase 2. The response from the participating team without these detailed will be treated as incomplete
- **Participants in the TCS Quantum Challenge shall thoroughly keep track of their AWS Credit usage**

Queries for AWS Credits

- Please include the following details in all communication: Team Lead Name, challenge statement name, AWS Account Id
- Please follow the communication process below:

Type of Queries	Communication Process
For any issues <u>specific to AWS Credits</u> ,	Please write to tcs-quantum-challenge@amazon.com
For any issues specific to AWS Cloud Infrastructure	Please write to tcs-quantum-challenge@amazon.com
For any issues related with technical clarifications associated with challenge statement and infrastructure	Please copy BOTH email-addresses in this communication: <ul style="list-style-type: none">• tcs-quantum-challenge@amazon.com• quantum.challenge2023@tcs.com

TCS Quantum Challenge 2023 – Technical Clarifications

General Technical Queries

- We would be happy to answer any technical queries that are generic (not usecase-specific) in nature

Technical and Usecase specific clarification sessions

- We would recommend each team to consolidate all their queries and send the consolidated queries to quantum.challenge2023@tcs.com by 28-Dec-2023

Detailed Technical Clarification sessions for each of the Challenges are planned in the first week of January 2024.

(Please watch out for the invitations in your mail-addresses registered with us)

Technical Clarifications

Challenge # 1 - Replenishment of Retail Stores



Replenishment of
Retail Stores

Technical Clarifications

Challenge # 2 - Optimising Power Distribution Network



Optimising Power
Distribution Network

Technical Clarifications

Challenge # 3 - Optimising Fleet Allocation



Optimising Fleet
Allocation

Technical Clarifications

Challenge # 4 - Forecasting FTSE100 Index



Forecasting
FTSE100 Index

Thank You