

# Guidelines

## General Guidelines

- GS Quantify is open to all students from the below mentioned select colleges and participation is on an individual basis
- There are 3 sections – Computer Science (CS), Machine Learning (ML) and Quantitative Aptitude (QUANT). The sections are identified by appropriate prefix. A participant can submit solutions for one or more sections. Each section has one or two problem solving challenges and one documentation challenge
- If a participant can solve all three sections with high quality solutions, that's awesome! However, solving one section with high quality is preferred to solving all sections with lower quality.

## Submissions

Each question in the section defines its own submission guidelines and timelines. Please adhere to the guidelines while submitting the solutions. Generally:

- The output must conform to the format specified in the problem statement
- A format checker has been designed to check the output for each problem. If your solution does not pass the format checker, it will not be evaluated.
- You may upload solutions multiple times, you will be ranked for the latest submission and a real-time per-problem leader board will display your position in comparison to other submissions. Please submit your complete solution each time you resubmit.
- For the final evaluation, only the final submission will be considered.
- For each section the problem solving challenges have to be submitted by 6 pm on 6<sup>th</sup> Oct 2019, the documentation challenge can be submitted until midnight of 6<sup>th</sup> Oct19.

*Any plagiarism found in the model, output or code will lead to disqualification.*

## Evaluation

- Each section carries 100 marks
- For marks on the leaderboard, elapsed time for submission is the tie-breaker.
- Based on the online event, a selected list of participants will be called for on-site event where they will give presentation for their solution.
- Finalists for on-site event will be decided based on both marks on the sectional leaderboard as well as subjective evaluation of all the submitted documents and source code. Therefore, high rank on the sectional leaderboard does not guarantee a finalist position for on-site event. It is an indicative rank for the online evaluation.
- Results will be treated as final and are not subject to re-evaluation based on participant request

# FAQs

## Why should I participate in GS Quantify?

GS Quantify is a unique platform in the Financial Services industry to showcase innovative problem-solving skills which will challenge you in the areas of computer science, machine learning and quantitative finance. Add to this, there are some exciting prizes to be won.

## I am in a Dual Degree program, what Degree/College Year should I enter?

Please enter the highest degree and year of the primary program.

## What are the participating colleges in GS Quantify 2019?

Pune Institute of Computer Technology, Pune	Indian Institute of Technology, Bhubaneswar
Baba Ramdeo College of Engineering, Nagpur	Indian Institute of Technology, Gandhinagar
B.M.S. College of Engineering, Bengaluru	Indian Institute of Technology, Jodhpur
Malaviya National Institute of Technology, Jaipur	Indian Institute of Technology, Mandi
National Institute of Technology, Durgapur	Indian Institute of Technology, Patna
Netaji Subhas Institute of Technology, Delhi	Indian Institute of Technology, Ropar
International Institute of Information Technology, Bengaluru	National Institute of Technology, Jalandhar
PES Institute of Technology, Bengaluru	National Institute of Technology, Jamshedpur
Delhi Technological University, Delhi	Ramaiah Institute of Technology, Bengaluru
National Institute of Technology, Silchar	Sir M Visvesvaraya Institute of Technology, Bengaluru
R.V. College of Engineering, Bengaluru	University Institute of Engineering and Technology, Chandigarh
Sri Sivasubramaniya Nadar College of Engineering, Chennai	Thapar Institute of Engineering and Technology, Patiala
Indraprastha Institute of Information Technology, Delhi	Harcourt Butler Technical University, Kanpur
National Institute of Technology, Kurukshetra	National Institute of Technology, Surathkal
National Institute of Technology, Rourkela	National Institute of Technology, Warangal
Birla Institute of Technology & Science, Goa	National Institute of Technology, Trichy
Indian Institute of Information Technology, Allahabad	Birla Institute of Technology & Science, Pilani
Veer mata Jijabai Technological Institute, Mumbai	Indian Institute of Technology, Bombay
Birla Institute of Technology, Mesra	Indian Institute of Technology, Delhi
Indira Gandhi Delhi Technical University for Women, Delhi	Indian Institute of Technology, Kharagpur
Visvesvaraya National Institute of Technology, Nagpur	Indian Institute of Technology, Kanpur
Shri Govindram Seksaria Institute of Technology and Science, Indore	Indian Institute of Technology, Roorkee
Punjab Engineering College, Chandigarh	Indian Institute of Technology, Guwahati
Maulana Azad National Institute of Technology, Bhopal	Indian Institute of Technology, Varanasi
MKSSS's Cummins College of Engineering for Women, Pune	Indian Institute of Technology, Madras
Motilal Nehru National Institute of Technology, Allahabad	Indian Institute of Science, Bengaluru
Banasthali Vidyapith, Jaipur	Indian Statistical Institute, Calcutta
Manipal Institute of Technology, Manipal	Indian Institute of Technology, Dhanbad
Jadavpur University, Kolkata	Indian Institute of Technology, Indore
College of Engineering, Pune	Indian Institute of Technology, Hyderabad
PSG College of Technology, Coimbatore	International Institute of Information Technology, Hyderabad
Shiv Nadar University, Noida	National Institute of Technology, Calicut
Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar	

## Which year students are eligible to participate in Quantify?

All students from the above mentioned set of colleges are eligible to participate.

## Do you declare winners for each problem or cumulative of all problems?

There is emphasis on quality over quantity. If you are able to solve all three problems with high quality that's great, otherwise having high quality solution to at least one problem is important. Top submissions per section as well as those best in cumulative score will be invited to GS Campus to present their solutions.

## Can we participate in teams?

No, you can participate only in an individual capacity.

### **What questions were asked last year?**

Computer Science (CS): [Element from sequence](#), [Securing the data](#)

Machine Learning (ML): [Fun with forecast](#)

Quantitative Aptitude (Quants): [CIR Process - Simulation and applications](#)

### **What are the registration costs?**

GS Quantify has no registration fee.

### **How do I register?**

You can sign up for the contest here : <https://www.hackerrank.com/gs-quantify-2019>

### **What are the steps to register for GS Quantify?**

- Fill in your individual information by entering details like College name, roll number, graduation year etc.
- Confirm the "Declaration"
- Submit!
- Invitations will be sent to you for participation on your registered email ID.

## **What is my login id and password to access the contest?**

You can access the contest with your HackerRank account credentials.

## **Can participants be from different programs, branches and year of graduation?**

Individuals from any program, branch or year of graduation from the above mentioned set of institutes can participate

## **How do I submit my solutions?**

Each problem specifies its own submission guidelines.

## **What should be the size of the final submissions?**

The maximum upload limit is 5 MB per problem.

## **Will there be a live leaderboard for each of the questions?**

Yes. There will be a leaderboard for all the sections but there will not be an overall contest leaderboard.

## **What programming languages can I use?**

As per the problem, if required to code in HackerRank platform, then you'll need to use any HackerRank supported language. Otherwise, feel free to use any language.

## **Will GS Quantify Team be around to answer my questions during the contest?**

Please post on discussion forums for section related questions. Login related problem can be directed to [gs-quantify-2019@hackerrank.com](mailto:gs-quantify-2019@hackerrank.com). The team will be accessible between 10 am and 6 pm on the contest day.

## **Whom do I contact for more information?**

Please refer to FAQs, Guidelines, and Discussion Board per problem as first resort. Please note that the discussion boards are public and discussion of solutions will lead to disqualification.

For more information or clarifications on the questions, you can email your queries to us at [gs-quantify-2019@hackerrank.com](mailto:gs-quantify-2019@hackerrank.com). Please mention your contact number so that we may call you back if required.

## **Do I get a job offer or get to interview for roles at Goldman Sachs if I participate or win?**

No. GS Quantify is strictly a non-recruitment event, and bears no relation to anyone getting shortlisted for interviews or being offered a job at Goldman Sachs.

## **What questions were asked last year?**

# **Terms and Conditions**

- Goldman Sachs reserves the right to modify the event or cancel the event at any stage, without incurring any liability.
- This contest and participation in this contest is not an offer of employment or internship.
- The participants warrant and certify that their submissions are original and do not infringe third party

copyrights, patents or intellectual property rights.

- Further, upon submission of solutions, all intellectual property rights and ideas generated during this contest and in the submissions shall vest in Goldman Sachs, and Goldman Sachs reserves the right to use the same in any manner, including for commercial purposes.