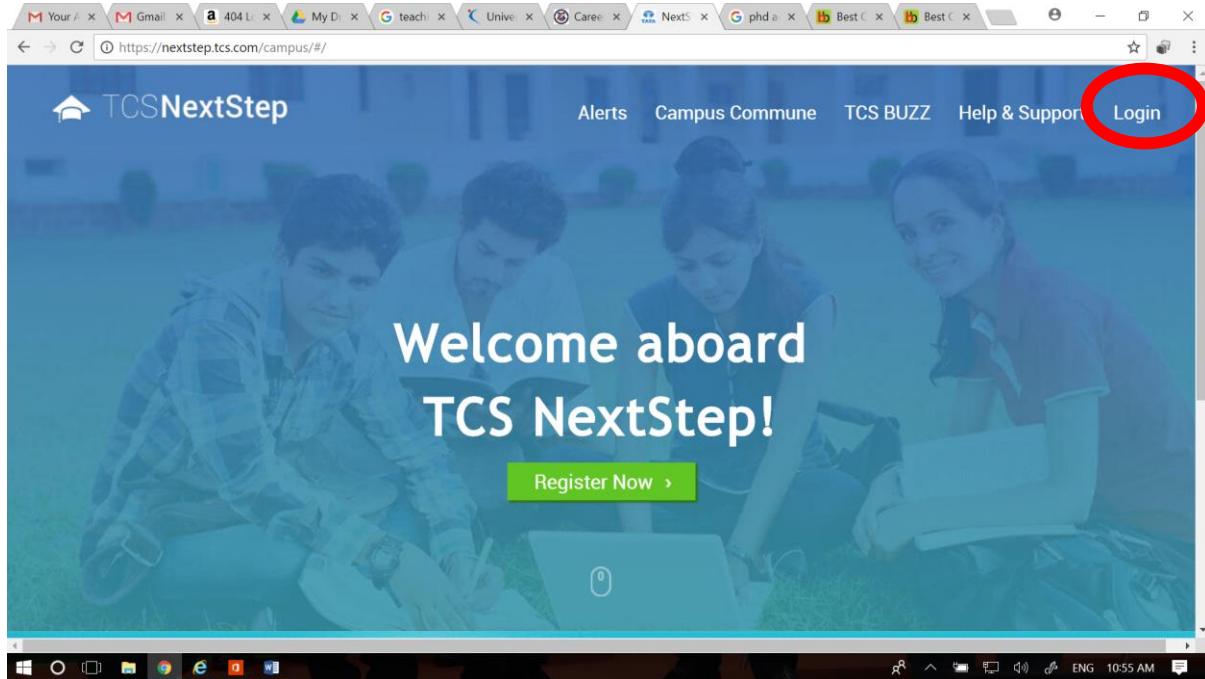




## TCS EnQuode 2019

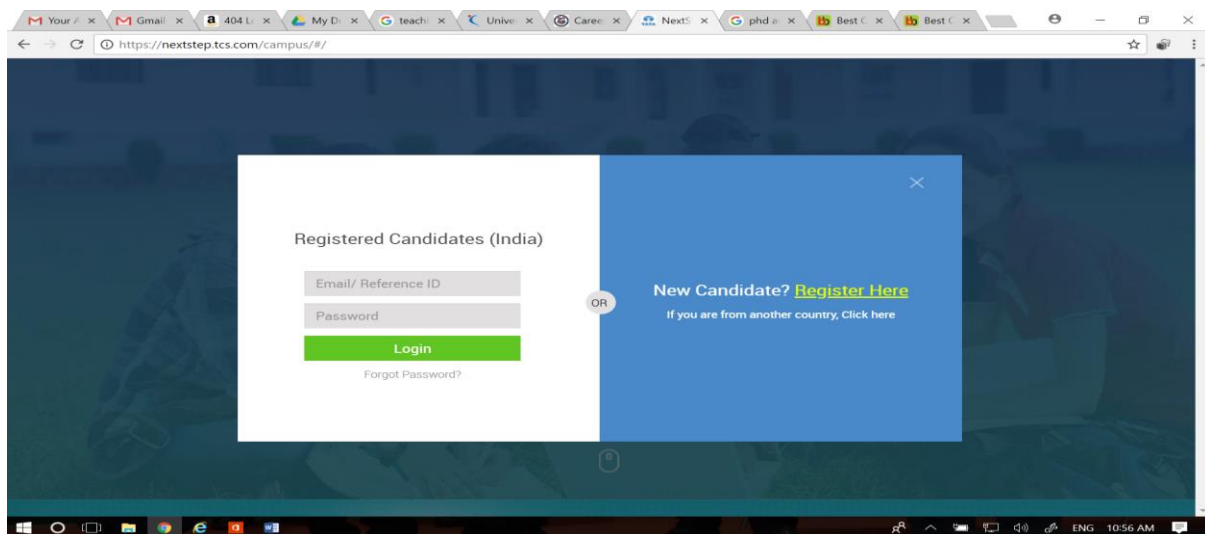
### Registration Steps

**Step-1:** Click on this link <https://nextstep.tcs.com/campus/#/>



**Step-2:** Click on login. If you already registered simply sign-in else register

**\*\*\*Note:** Please Type **College Name** as **Institute of Aeronautical Engineering** in the registration form because in drop down list IARE is not listed and **qualification** as **Bachelor of Technology/ Master of Technology/Master of Business Administration** from the list.



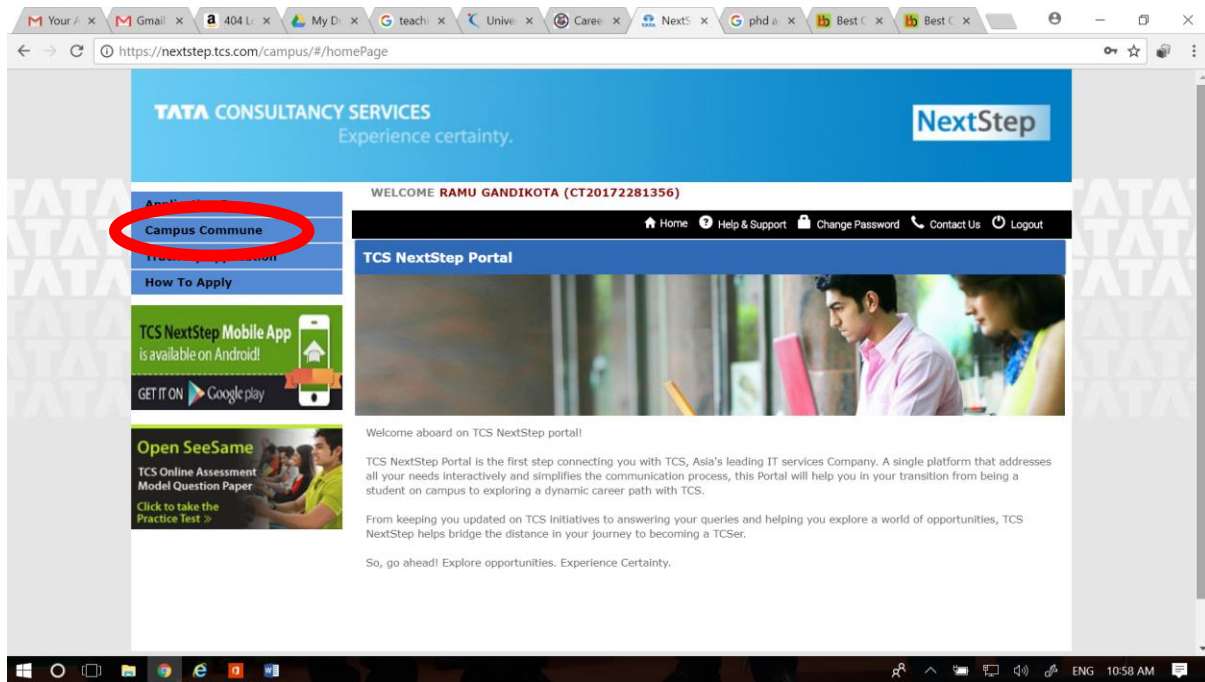


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**Step-3:** After logged-in the following page appears. After that click on campus commune as shown in below



**Step-4:** Following page appears. Click on launch Campus Commune button as shown in below. Before that, you have to enable Pop-ups always allow as shown in below.



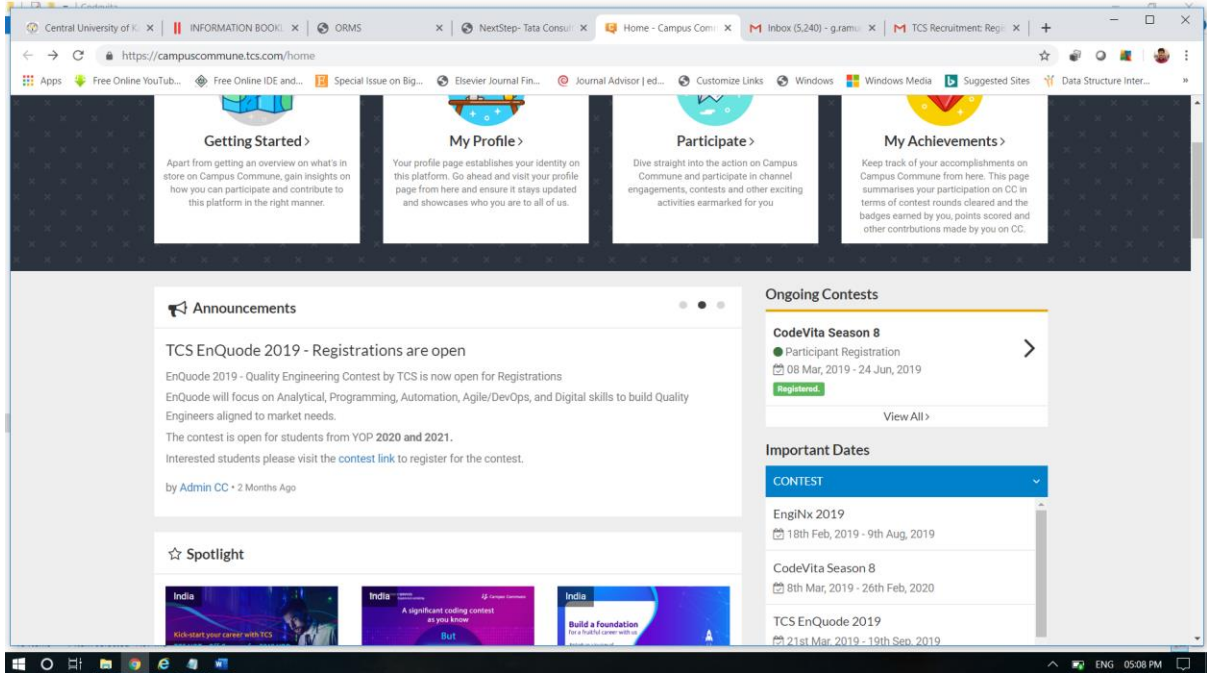


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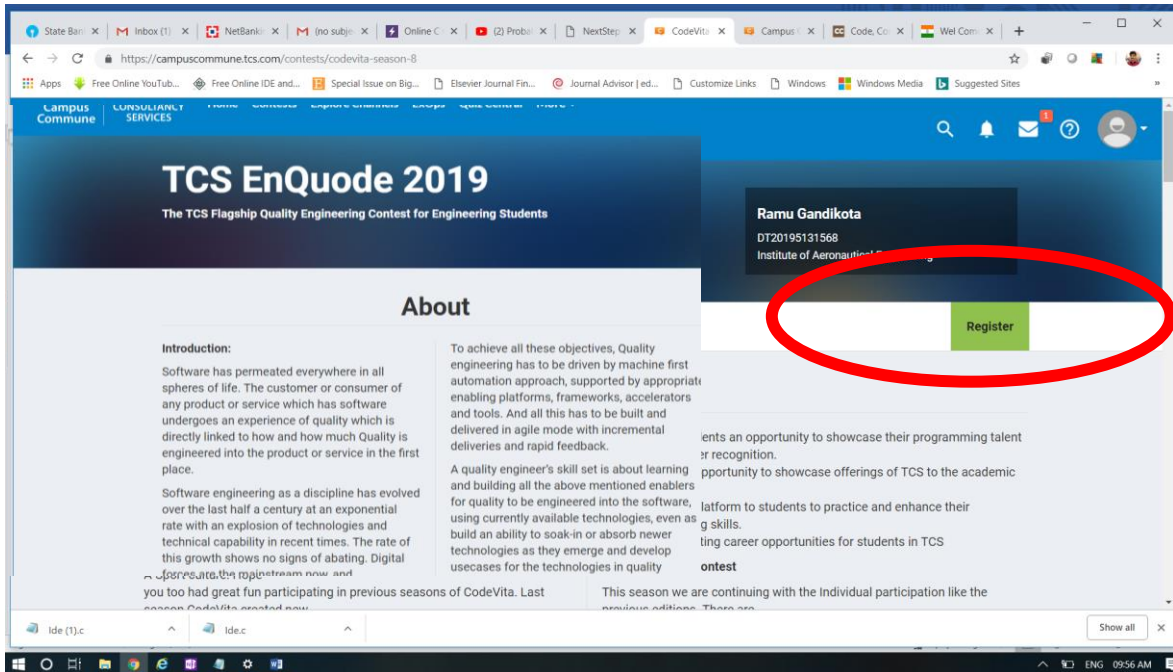
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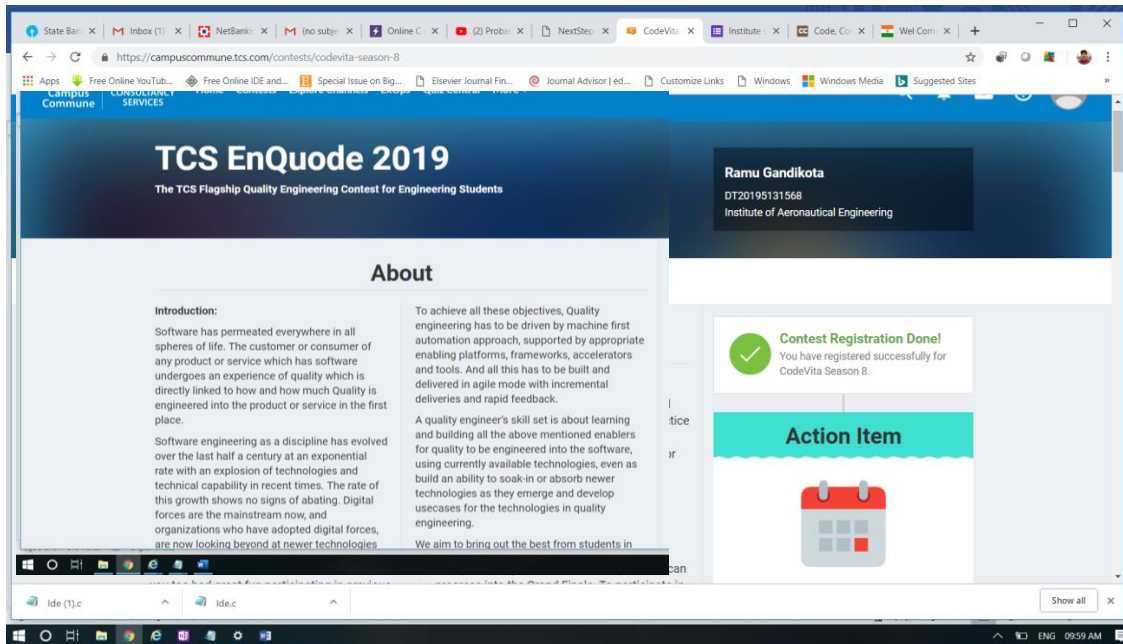
**Step-5:** The following page appears and click on TCS EnQuode 2019 at Announcements.



**Step-6:** Click on register button. You should check your details because in recretment process the college name play vital role so dogle check before click on register.



**Step-8:** All registered students should enroll their names at following link <https://goo.gl/forms/d5nOhyt2hfM8gI3x2>



## Contest Stages



1

### Participant Registration

**Starts:** 21st March, 2019, 10:30 UTC

**Ends:** 30th June, 2019, 18:30 UTC

Takes Place: **Online**

## 1. Participant Registration

### Purpose of the Contest:

EnQuode is an attempt to nurture and lay a strong foundation for students to help them to jumpstart their career in Quality Engineering. The role of a tester has transformed to that of a Quality Engineer. This role perfectly blends technical acumen with skills to analyze information, create a solution and execute it and drive techniques to engineer productivity and emphasize efficiency.



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The contest provides students a platform to enhance their knowledge in Quality Engineering as well as reward them for exhibiting exemplary talent in Big Data, Artificial intelligence, Agile/ DevOps, Test Automation, Performance testing, Performance Engineering, Accessibility Testing, Security Testing, Test Data Management, Test Environment Management, Digital Assurance and other Quality Engineering related topics.

It is more than a contest. Quality Engineers have bright prospects ahead and this platform provides a unique opportunity to learn, explore the world of engineering quality as well as showcase one's talent, earn peer recognition and honor

## Participation & Eligibility Guidelines

- Nominations are invited from only **FY '20** and **FY' 21** graduating batches under BE/B.Tech/ME/M.Tech/MCA(Computer Science) disciplines.
- Students should register online on **TCSL's NextStep portal**- <https://nextstep.tcs.com>. A Campus Trainee (CT) / Direct Trainee (DT) Reference Number is mandatory for participating in the contest.
- The contest would be attempted individually, and no team is required to be formed
- All communication with respect to the contest will be provided to registered students.
- The infrastructure/software/s required for testing shall be borne by the student or the institution they represent. TCS will not be liable for any damage to the infrastructure of the institute which may be caused by participants from the institute during the contest.
- Plagiarism is strictly prohibited. Online search engines may be used for reference, but copying directly from the internet is forbidden.
- All contestants must have access to the Internet, a valid postal address, and a valid email address in order to enter the contest.

## References:

### 1. Selenium:

<http://seleniumhq.org>

### Automation Test Framework with Selenium:

<https://www.youtube.com/watch?v=DO8KVe00kcU>

<https://www.youtube.com/watch?v=0g05taJKnEQ>

<https://www.youtube.com/watch?v=yPtnml4tNII>

### Download Sites:

<http://seleniumhq.org/download/>

### 2. J-meter :

Download Site:



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[https://jmeter.apache.org/download\\_jmeter.cgi](https://jmeter.apache.org/download_jmeter.cgi)

## Reference Sites:

1. <https://jmeter.apache.org/>
2. <https://www.youtube.com/playlist?list=PLhW3qG5bs-L-zox1h3eIL7CZh5zJmci4c>
3. <https://www.youtube.com/watch?v=mXGcBvWYI-U>

## Reference Book:

**Apache JMeter:** A Practical Beginner's Guide to Automated Testing and Performance Measurement for Your Websites

Book by Emily H. Halili.



2

## Online Quiz

**Starts:** 3rd July, 2019, 04:30 UTC

**Ends:** 3rd July, 2019, 12:30 UTC

**Bounty:** 1000 Points

Takes Place **Online**

## 2. Online Quiz

This will be an online quiz. The questions will be Objective type- multiple choice questions (MCQ) and short answers to a problem statement. The coverage will be on basic and intermediate levels of Quality Engineering covering all the topics mentioned in the syllabus. The top 150 participants who submit maximum correct answers within the allotted duration along with other evaluation parameters will bag a chance to move on to Round 2.

The discretion of the EnQuode evaluation team and their adjudication of winners will be binding on all the participants



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There will be three types of questions in this round

Type A: will have Multiple Choice Questions (MCQ) related to Software testing / Quality Assurance and Engineering

Type B will be MCQ on Software programming

Type C will be MCQ covering questions to identify defects / bugs in application code

**Note : The round 1 date indicated is tentative and can change. Registered participants will be kept updated accordingly**



3

## Case Study & Presentation

**Starts:** 20th July, 2019, 04:30 UTC

**Ends:** 5th August, 2019, 12:30 UTC

**Bounty:** 2000 Points

Takes Place **Online**

### 3. Case Study & Presentation

Participants selected from Round 1 will move to this round which will cover advanced level topics.

This round will be an open book test. Each candidate will be given a Case study which will involve creation of either a simple data-driven or key-word driven Test Automation Framework, or a working Test suite using jmeter. Relevant support documentation, demonstration of a working solution and record of the working solution challenge will be submitted by students in the given



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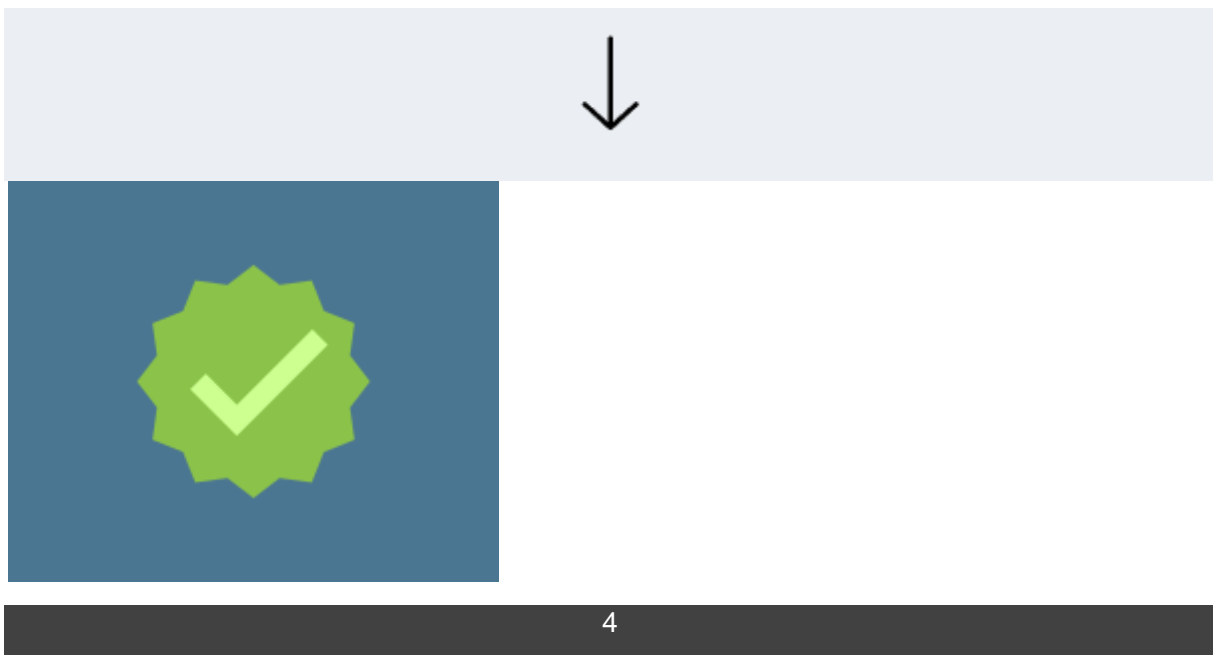
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timeline. Uploaded demo recording and documentation and time duration in which it was done, will be evaluated.

The section in Round 2 will require practical knowledge on the syllabus provided, which will judge the programming and testing skills of the participants.

The top 16 participants who present the correct answers in all the sections will qualify for the finale.

**Note: The date indicated for this round is tentative and can change. Participants qualifying for round 2 will be kept updated accordingly**



Grand Finale

**Starts:** 18th September, 2019, 06:30 UTC

**Ends:** 19th September, 2019, 12:30 UTC

**Bounty:** 3000 Points

Takes Place **At the Venue**

## 4. Grand Finale

The finale will be held at a TCS Campus after Round 2. The third round will include the following:

**Day 1:** Top 16 contestants will be given an advanced case study to perform against the framework they have developed in Round 2. The solution will be evaluated by the panel and Top 5 finalists will be selected





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**Day 2:** Top 5 finalists will present their framework along with required supporting documentation to the jury and answer questions if any posed by the members of the jury in the Grand Finale

The finalist with highest score will be adjudged as the winner of TCS EnQuode 2019

Please note that penalties will be imposed for incorrect submissions. For e.g., participants would be penalized for additional time taken to solve the problem or deliver the reports/presentation. Weightages will be assigned according to the severity of the test cases, and judged accordingly.

TCS EnQuode 2019 will be challenging and will be featuring new additions that will be announced during the registration window. But believe us, the challenge will be worth it!

***Note : - The date indicated for the Grand Finale can change. Finalists will be kept updated accordingly.***

**Contact:**

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Email: [g.ramu@iare.ac.in](mailto:g.ramu@iare.ac.in)