**1 TCS Company:**

1.1 TCS Company Time Table :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TCS NQT Recruitment 2023 Overview** | | | | |
| Recruiting Body | Tata Consultancy Service | | | |
| Test Name | TCS National Qualifier Test (i.e., TCS NQT) | | | |
| **Cycle** | **April** | **July** | **August** | **October** |
| Last Date to Apply | 30th March 2023 | 4th July 2023. | 31st July 2023 | 20th September 2023 |
| Exam Dates | 14th April 2023 Onwards | 15th July 2023 | 12th August 2023 | 2nd October 2023 |
| Mode of Exam | Online | | | |
| Age Limit | 18 to 28 years | | | |
| Qualification | UG/ PG students of B.E. / B.Tech / M.E. / M.Tech / MCA/ M.Sc | | | |
| Experience | Freshers (Experience up to two years is allowed) | | | |
| Selection Process | Test and Interview | | | |
| Exam Pattern | Two sections- Foundation and Advanced | | | |
| Exam Duration | 166 minutes | | | |

1.2 TCS Company Salary:

Tata Consultancy Services Limited pays its employees an average of ₹635,638 a year. Salaries at Tata Consultancy Services Limited range from an average of ₹276,073 to ₹1,590,207 a year. Tata Consultancy Services Limited employees with the job title Senior Project Manager, IT make the most with an average annual salary of ₹2,146,228, while employees with the title Accounting Associate make the least with an average annual salary of ₹286,710.

|  |  |  |
| --- | --- | --- |
| JOB Title | Range | Average |
| System Engineer. IT | ₹250k - ₹733k | ₹434,469 |
| Software Engineer | ₹242k - ₹970k | ₹463,884 |
| Software Engineer / Developer/ Programmer | ₹247k - ₹907k | ₹452,175 |
| Information Technology Consultant | ₹229k - ₹1m | ₹1,250,489 |
| SAP Consultant | ₹310k - ₹2m | ₹480,923 |
| Business Analyst, IT | ₹304k - ₹1m | ₹738,525 |

1.3 TCS Company Recruitment Process

* [TCS Digital:](https://www.geeksforgeeks.org/tcs-digital-recruitment-test/) TCS Digital hires for the Digital Technology Domain, specializing in IoT, AI, ML, Big Data, Virtual Reality, BlockChain, NLP, etc. There are three ways of landing the TCS Digital offer.
* [TCS Ninja:](https://www.geeksforgeeks.org/tcs-ninja-recruitment-test/) TCS Ninja profile is hired through TCS NQT test, based on the score you scored in NQT you will choose as Ninja. It offers package of 3.36 to 3.60.

Verbal Ability: In TCS NQT there are 25 questions and the given time was 75 minutes to check your proficiency on English, like easy writing and questions answering.

TCS conducts 4 rounds to select freshers as Assistant System Engineer in their organisation.

* Written Round.
* Technical Round.
* Managerial Round.
* HR Round.

1.3.1 **Written Round :**  
The Written round consists of four sections and the total time allotted is 90 minutes. The four sections include:

* + - 1. **Quatitative Aptitude Test:**  
         The first is the Quantitative Aptitude test where the numerical and the reasoning ability sections are tested. There are 20 questions that need to be attempted in 40 minutes. There are 2-star questions which have more weight than normal questions and are a bit tricky. There is negative marking of 1/3rd for the questions other than the star. Important topics include Number system, Equations, Ratio and Proportion, Percentages, Profit and Loss, Time and Work, Time speed Distance, Areas and Mensuration, Averages, Permutations and Combinations, Probability, Plane geometry, Seating Arrangements, Sets, Progressions, Functions, Series, Coding, Truth and Lie based puzzles.

**1.3.1.1 Programming Language Test:**  
This round consists of general questions from computer science and programming languages. It consists of 10 to 12 questions and the time allotted is 20 minutes. It is an MCQ round and basically consists of basic programming questions.

1. **Coding Round:**  
   This is a technical coding round. It consists of 1 to 2 questions and the time allotted is 20 minutes.
2. **E-mail writing :** There will be given certain clues/words using which you have to write an e-mail addressing the scenario. You have to type the e-mail in the space given. The most important thing is you have to use all the phrases given without missing even a single one. The time allotted is 10 minutes.

Note: Students with more than 8.5 or 80 % respectively have to just appear for the verbal section i.e, the email writing.  
The students with rank under 1000 in CodeVita round 1 will be allowed to skip the written round and appear directly for interviews.

* + 1. **Technical Round :**

The students who clear the written round are called for Technical Interview. There is no hard & fast rule for which questions will be asked in this round, you can expect questions on any topic depending on the panel. To clear this round you should be clear with your basics. You should be prepared with Data structures and Algorithms, DBMS, Operating System, Networking, OOPs concepts and a programming language of your choice. Students from branches other than CS should prepare for the other two subjects related to their branch. CS students will be expected to write codes in the interview. You may be asked puzzles in this round.

**1.3.3 Managerial Round :**

This round includes everything which was in Technical round plus it will be under pressure and a lot of cross-checking. Doubts will be raised on your answers to check if you can handle stress or not. Students may or may not be sent to this round depending on the feedback of the previous round. If the feedback of the previous round was good you may expect to directly been sent to HR round. Key for this round is to be calm, confident, clear on your thoughts and to not give up on pressure. If you don’t know the answer you must try to attempt it with whatever you know.

**1.3.4 HR Round :**

This is the final round of the recruitment process. The interview panel can question you anything related to your personality, family, education, hobbies, internships, general knowledge, basic HR questions like Why should I hire you?, If any problem in relocation etc. The key here is to be confident about everything you speak.

* 1. Interview Experience:

Tips to prepare:

1. Prepare your portfolio beforehand(though nobody has time to take a look of it, as they have your data on their database and keep laptops during interview). Take a file with transparent leafs inside to put the documents in them in following order:-
   * C.V. signed and dated as the date on which interview is going to take place. (not more than 2 pages) (You can view sample C.V. from here:- <https://docs.google.com/document/d/1m8MQlWki_UZiJ6_hrI4gGwG4BkG7uDsSfgRQ8bhmMXc/edit?usp=sharing>
   * 4th year marksheet(if grauated), then 3rd year marksheet(if you do not have it just take out its printout from university website and insert it.), then 2nd year’s and then 1st yr’s mrksht.
   * 12th Marksheet and then certificate.
   * 10th Marksheet and then certificate.
   * Industrial Training Certificate and other course’s certificates(if any)
   * Other Certifiates comprising of Workshop certificates, Certificates of participation in co-curricular activities, etc.
2. Keep a separate copy of your C.V. along with you signed(by you) and dated(interview date). (Again nobody demanded it for taking a look of it during my campus drive, but still keep it prepared just in case ..!!)
3. Keep a printout of application form of TCS which you have to download from nextstep.tcs.com after applying for drive. (Download it in Mozilla Firefox, Chrome may not work). Application Forms would be submitted at the time of Round1 and would be used in all successive rounds to have a look of the interviewee.

**Round 1: E-mail writing and Quantitative Aptitude**

Students were divided in 2 slots(actually not divided, it was told that whoever wanted to give in 1st slot may give) . Then we were sent to Computer Labs for taking Round1. I was in Slot 1.There are 2 sections:-First section comprises of E-mail writing and next is Quantitative Aptitude. Remember you cannot go back to 1st section if you have already exited it(although there is much time for it -10 minutes are sufficient for an e-mail).

Quantitative Aptitude comprise of 30 questions with negative marking. Starred questions will be of higher marks. The set I got had 10-12 easy questions, 4-5 tough questions, and rest medium level. Try to do atleast 18 out of them to clear the round. (If there is not much time left as compared to the number of questions you may take help of yur neighbor as many people in my slot did, though its better to do it on your own as you can’t trust others.)

Questions comprised of following areas:-

*Time and Work* *(Questions related to calculation of Wages for work)*,  
*Number System,*  
*Functions and Series,*  
*Geometry,*  
*Probability(Total Probability and Bayer’s),*  
*Time, Speed and Distance,*  
*Ages,*  
*Permutations and Combinations.*

We also had a PPT in after this round in which TCS declared results of 1st round and told about the company, objectives, statistics, mission, values, etc.

Tips:

1. Take the mock test before the drive which is provided on <https://nextstep.tcs.com/> available after logging in.
2. Whether you write the ***subject*** in e-mail or not, is completely your choice. It won’t matter much(I wrote the subject and my friend didn’t, we both cleared the round with 10th and 9th position, respectively)
3. Use exact words and phrases which are provided in the question( like:- *passing out—ordered–*should not be used as :- Your *order*dated 24 July is *passed out*. , Correct form of using it is:- *Passing out*the project which you had *ordered* on 24 July …) Sequence is not important.
4. If you have practiced Time and Work, Number System, Permutations and Combinations, then its enough. Just look out the simple formulas(or one-two questions) of other chapters like Total Probability Theorem, Bayer’s formula, an upstream-downstream question, Sum of A.P and G.P. and their General Terms). Don’t waste time on chapters like Alligations, Logarithms, Ratio, Percentages, Profit, Loss, etc. Remember alligations are just a shortcut method of solving some type of questions , generally useful for CAT/XAT students where CalCulators are not allowed.
5. Only pencils and calculators are allowed. Rough sheets would be provided by them which would be sufficient. Don’t forget CalCs as they are more sppedy to work on rather than e-calculator.
6. Note down everything told in the PPT. It can be asked in successive rounds.

**Round 2: TR (Technical Interview Round)**

Out of 300 students, about 200 cleared the 1st round and were divided in 10 panels for Round 2. Only one interviewer was there in each panel, so not to worry too much.

Regarding the questions they asked in this round, it totally depended on them.

In some panel they asked questions about family (just total time pass, answer in relaxed way as if talking to some relative)

In my panel the interviewer never asked me about my favorite subject(area of interest) . He asked me questions from various subjects except my area of interest :(, some of which are as follows:-

* What is your final year project? Tell me something about it. (as we had not even started making our project by that time, I didn’t know what we would do in that but neither did the interviewer know. So I told him whatever I wrote in my project synopsis- the modules in the project, the objective, its applications, language used, etc.)
* (As I told that my project was based on JSP so he started asking me questions from it.) What is page directive(I told it)
* What is AJAX (I told it somewhat wrong, and said that I’m not sure)
* Ok. What are servlets? (told it)
* What is the relation between JSP and Servlets( at first I told it wrong, then he gave me a hint and I corrected it.)
* Have you heard about Quick Sort? What is it? (I was not sure. Just knew that it has a pivot element and we have to compare it with some other elements. Told him such things.)
* He handed me the paper and told me to take few numbers and show on them how quick sort is done. (I knew that i couldn’t so I just took few numbers, told him the first element is pivot and then we find the element smaller than it from right side)
* He looked at me and said “Do you not think that we take middle element as pivot?” (I in my mind thought that yes he was right we take middle one as pivot , but told him confidently- No sir, we took the first element as pivot in our academics)
* He nodded and then asked which one was efficient( I told him taking middle one as pivot was more efficient)
* He asked me something about RDBMS. (I told him Sorry sir, I have no idea about that.)

Though my interview went out totally frustrating with the only good thing being my CONIDENCE (even in saying that I didn’t know the answer). After 2 hours I got my call for MR round

Tips:

1. Be confident. Don’t hesitate in saying even that you don’t know the answer.
2. They are not looking for students with best technical knowedge, but the students with the medium knowledge, greater potential, and most importantly confidence.
3. Study not focussing only on your area of interest, but just take a look of basic definitions of important topics especially related to your project. (like AJAX, JSP, Servlet, 1NF, 2NF, Indexing, etc. ) Brush up about every type of sorting logics (bubble, selection, quick, insertion), and common programs like palindrome, swapping 2 nodes in a linked list, etc.
4. Greet Good Morning/Evening with a smile when you enter and sit only when asked to(if not asked, then ask yourself to sit), Talk in a relaxed mood but not too relaxed(don’t speak like he is your chuddy-buddy).
5. To reduce stress after clearing this round, just think about both outcomes (if I’m selected then that would be great but If I’m not then at least I cleared 2 rounds when 100s of people couldn’t.  This worked for me. )

**Round 3: MR (Managerial Interview Round)**

This was the best round according to me.

There were only 2 panels for this round.

I was called in. I entered , smiled and greeted him .

The interviewer was an aged person and looked much experienced and friendly.

**He** : (taking a look at the application form) So Ms. Nirmal..

**I**: Sorry sir, my name is Swechchha Agarwal, That’s my mother’s name which you are taking.

**He**: (taking a look again)Ohh (smiling a bit) my mistake, its Swechchha.

(Some person entered meanwhile for handling him something)

**He**: So Nirmal, tell me something about yourself.

**I**: Sir, I am Swechchha Agarwal…(hoping to continue the intro)

**He**: Ohh again sorry. (smiling)Let me correct it here(working on his laptop for a minute) Ok now continue.

**I:** (told my complete intro)

He asked me about my family.

I told him that I had a joint family with 11 members .

He smiled and said that was very good.

He asked me about my hobbies (painting,sketching)

So u make human sketches also?(Sir, I have tried my hand on them, but its just my hobby and not my talent so i’m not good in it)

Don’t you do anything else in your hobby like sports(Sorry sir I’m not good in that.)

He asked me about my strategy to achieve success in organization(dont tell only hardwork tell about the smartwork, punctuality, learning from experience, self-teaching, etc.)

He asked me “Why you want to join TCS”(Sir as I know many employees there I have come to know a lot about this company , its good friendly environment, platform to learn, etc. .. )

He asked me about my last project and why I developed it, i.e. its objective(told him)

He asked me what have I learnt in Software Engineering(that softwares are not developed by just coding them . If we want them to be a real success, then there are steps to follow:Reqt specification, analysis, design, testing, review)

He asked me what I have learnt in Industrial Management which was also a subject in my curriculum( I told him importance about human relations in company, stress management…)

He asked me how to manage stress?(I told him what I learnt in that subject like job rotation to reduce fatigue, etc.)

He told me that”You have told me how to reduce other’s stress as a manager, now tell me how will you reduce your stress? (I told him through a little chat with peers, taking breaks in work, through hobby practising)

He again reminded me that I must practise something in Sports as my hobby to reduce stress (I know sir i should but just sports are not my type )

Ok you may go. Send the next one inside.(Thankyou sir  )

It was already 11:30 p.m. Next day results were to be declared of OutOfProcess students (eliminated)

I didn’t have my name on that list

I was called as the first one to give final round H.R. which ended in 10 minutes .

**Round 4: HR Interview**

I entered and greeted. He told me to sit. and said “tell me about yourself”.I told. Then he asked me an aptitude question : “There is a 20 feet tower. A monkey climbs 3 feet in a second and drops down 2 feet in the same second. when would he reach top?” I asked him to give me a minute to think . He allowed. Then I told him “18 seconds” . He asked me the capital of Telangana. I told him”I know that Currently it is not stable but I don’t know the answer” .He asked me “Tell me any 5 points about TCS which were told in PPT and because of which you would like to join TCS”(I told him about the code of ethics, brand popularity, the awards it got,…he then interrupted)  
Ok your home is so close from your college. How would you be able to relocate?(I told him that I had done it earlier after 12th in Kota)  
He asked me about the Kota experience and then told me to “You may go”80 were placed and I was also among them :)Please do comment if you want any other information ..

* 1. **TCS Company Recruitment Criteria**

In this section, we will show the overview of TCS NQT Eligibility criteria.

| **Qualifications** | **B.E / B.Tech / M.E / M.Tech / M.Sc / MCA – 2023 Year of Pass-out.** |
| --- | --- |
| Backlog Criteria | Only 1 active backlog is allowed |
| Eligibility Streams from M.Sc | All the streams related to information technology and computer science. |
| Gap Criteria | The total gap in an academic career should be less than or equal to 2 years |
| Percentage Criteria | 60 % or above in X/XII/ all other degrees. |

**TCS NQT Eligibility Criteria: For BE/B. Tech/ M.E./M. Tech**

We will discuss the eligibility criteria for the above-mentioned courses.  
Almost all the branches are eligible but CS/IT is preferred.

* Should have more than 60% in Xth standard.
* Should have more than 60% in the XIIth standard.
* More than 6 CGPA or 60 % in graduation.
* If you have any certification in any programming language that will be a plus point.
* Only 1 active backlog but try to avoid any backlog.

**TCS NQT Eligibility Criteria: Age, Qualifications, Course**

In this section, we will discuss the eligibility criteria of various factors.

* Age: In the TCS NQT exam of 2023 the candidate who is applying should be atleast 18 years old and the maximum age should be of 28 years.
* Number of Attempts: As such, there is no limit on the number of attempts of a candidate unless he is within the required age limit.
* Experience: Freshers who have less than two years o experience can apply to TCS NQT.

**TCS NQT Eligibility Criteria: Important Points**

Here are some of the important points you should keep in mind.

* All applicants must have their original papers on hand for the interview process in case they are required to present them, including proof of age, education, nationality, etc.
* Candidates who have academic gaps of more than 2 years are not eligible to apply for admission. Regarding this topic, there is no leeway given.
  1. **Placed Students :**

As of now data available the students placed are :

KURKURE KARTIK SATISH Mech TCS (Off Campus ) CHINTAMANI THERMAL 13

* 1. **Frequently Asked Questions :** 
     1. Email Writing Questions :

**Directions:**

1. Use all the phrases given.
2. Minimum words should be 50 otherwise your email cannot be validated.
3. Addressing and signing should be done as in the question given.
4. Common grammatical rules, punctuation should be according to standard English.
5. You can use your own phrases along with the phrases given.

a) Question : As a supplier, write an email to the manager of RD Wheel company, Mr.Malhotra, intimating of their payment that is due for the products delivered to them three months ago. Sign the email as Sameer

**Phrases:**

On time - delivery of goods - three months - credit period - overdue - payment -

of the earliest - longstanding - relationship

**Solution – Sample E-mail:**

*Hi Mr Malhotra,*

*You are a valued customer of our company for a very long time and we appreciate doing business with you. You have always made on time payment of the delivery of goods but recently, we have observed an extreme delay in payment. Moreover, the three months credit period is also over and still, the payment is overdue. I would request you to make payment for the above goods delivered of the earliest. We are looking forward to the payment at earliest and a longstanding relationship in doing business with your company.*

*Thanks and regards,  
Sameer.*

b) Question :   
As a member of your residential society, write an email to the inspector of the local Police station, Mr.Agarwal, informing him about miscreants who ride their bikes rashly every evening outside your society. Sign the email as Shyam.

**Phrases:**

residential area - ride - rashly - children - play - elderly - walk - grocery shop -

across the road - dangerous - accidents - nuisance - action - immediately.

**Solution – Sample E-mail:**

*Dear Mr Agarwal,*

*I am a resident of Lajpat Nagar and on behalf of the society, would like to bring to your kind attention regarding the rash driving during the evening hours in the residential area of the society. The evening is the time when all the children come out to play and the elderly commences there evening walk. Being a residential area, there is a grocery shop across the street and now and then people walk across the road to buy groceries. For many days, the rash driving of miscreants is causing dangerous problems for the people, leading to accidents.*

*This is causing a constant nuisance to the people and action must be taken to curb this problem immediately.*

*Yours sincerely,  
Shyam.*

c) **Question:**  
As your company is doing good business and expanding, your company is relocating its office to a new address. Using the following phrases, write an email with a minimum of 70 words and a maximum of 100 words to your customer informing the change in address.

**Phrases:**

near outer ring road - shifting to - bigger office space - November 10 -

change in telephone number - new address is provided below - fourth floor -

Cessna Business Park.

**Solution – Sample E-mail:**

*Dear All,  
It gives a pleasure in announcing the expansion of this company, a sign of growing business and increasing clientele. For a better productivity result, we are relocating the company and shifting to a bigger office space from November 10th onwards. New facilities and amenities shall be installed along with modern state of art amenities. There has been a change in telephone number along with the new address is provided below:  
Fourth Floor, Cessna Business Park(Near Outer Ring Road), Noida.  
Phone: 1234567890  
Please make a note of this to serve our clients better.  
Thanks and Regards*

* + 1. Aptitude and Reasoning Question :

1. An exam was conducted and the following was analyzed. 4 men were able to check some exam papers in 8 days working 5 hours regularly. What is the total number of hours taken by 2 men in 20 days to check double the number of exam papers?

**Answer:** 8 hours

1. **Solution:**

*Assuming that 1 unit of work is done in 1 hour Let’s calculate the total number of working hours: => 4 \* 8 \* 5 = 160 units Now the work is doubled: => 160 \* 2 = 320 units Let ‘x’ be the number of hours taken by 2 men to complete the work in 20 days. Therefore, => 2 \* 20 \* x = 320 => x = 8 hours (Answer).*

2 The numbers from 101 to 150 are written as, 101102103104105…146147148149150. What will be the remainder when this total number is divided by 3?

**Answer:** 2

1. **Solution:**

*The divisibility rule for 3 is that the sum of all digits of a number should be divisible by 3. Let’s calculate the sum of the digits: There are 50 1’s (unit place) = 50 There are 10 1’s (tens place) = 10 There are 10 2’s (tens place) = 20 There are 10 3’s (tens place) = 30 There are 10 4’s (tens place) = 40 There is one 5 (tens place) = 5 For each number 1 to 9, there are 5 sets of sum 45(1+2+…+9) = 225 => So sum of all digits = 380 => 380 / 3 = 2 (Answer)*

**1.7.3 Programming Logic Questions :**

The questions are broadly divided into three main topics they are 1.Data Structures 2. Algorithms and 3. Object Oriented Programming.