



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : SUDEESH ARPUTHAM D

ROLL NUMBER : 1702099

DEPARTMENT : B.E.MECHANICAL ENGINEERING

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CONTACT NUMBER : 8072424284

COMPANY NAME : ZOHO

COMPANY TYPE : CORE / NON-CORE

JOB DESIGNATION : SOFTWARE DEVELOPER

SALARY (CTC) : 4.6 LPA

INTERN OFFERED ? : NO

BOND : NIL

HAVE YOU PLACED ? : YES

(Please comment this section **in detail** to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

ONLINE TEST

Numerical Aptitude (12) + Programming Questions (12)

Total Duration – 45 mins

It was a fill in the blanks type test with no choices to choose from and no negative marking.

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

ROUND 2 :

PROGRAMMING ROUND

5 programs - Duration : 3hrs

I managed to solve 4 programs out of the given 5 and was shortlisted for the next round. Some made it to the next round by solving 3 programs too.

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
	Palindrome check for a string excluding special characters and should be considered as case insensitive	
	Conversion of Binary form to Decimal form using Recursion	
	Forming new words which are lesser than or equal to a given length from a given set of comma separated words	
	Maximum number of squares that a queen can cover in a square board of nxn sides with some knights as obstacle in particular squares	

	Displaying a given string of different letters as a combination of letter and number of repetitions pair	
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ROUND 3 :

ADVANCED PROGRAMMING ROUND

Duration – 3Hrs

Question – To develop a Whatsapp Chatbot

I was given the task of developing a whatsapp chatbot. The whole task was split into 4 modules. I was able to write the code for 2 out of 4 modules within the stipulated duration of 3hrs. The advanced programming round can be cleared using the concept of Classes and Structures.

Have you cleared the round : YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

ROUND 4 :

Technical Interview

General HR

Questions based on resume, projects, basic concepts in programming and some aptitude problems were asked in the Technical Interview. General questions about me were asked in the General HR round.

Have you cleared the round : YES

Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

AREAS TO PREPARE :

Aptitude and Programming Concepts

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Indiabix, Geeks for geeks, tutorialspoint

OVERALL EXPERIENCE :

The whole process was an enduring one where I had to code for nearly 6 hrs 30mins and attend an interview for another 30 mins in one single day. But the HR team was so dedicated, patient and friendly enough to guide the candidates through the whole process

GENERAL TIPS :

Good logical thinking and programming skills would be enough to crack the interview



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PLACEMENT YEAR 2020-2021

NAME	: SATHVIKA A
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CONTACT NUMBER	:8300631638
COMPANY NAME	:ZOHO
COMPANY TYPE	:CORE
JOB DESIGNATION	: SOFTWARE DESIGNER
SALARY (CTC)	:4.6 LPA
INTERN OFFERED ?	: NO
BOND	:NIL
HAVE YOU PLACED ?	: YES

(Please comment this section **in detail** to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

MCQ in aptitude and programming.

APTITUDE: Profit and loss, probability ,boats and stream, permutation and combinations etc.

PROGRAMMING: It covered all basics in C programming.

Have you cleared the round : YES

ROUND 2 :

Programming round

Total questions asked :7

Questions solved:5

DURATION:3hrs

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
C program	To check the given strings are anagram	I sorted the two strings and checked for it identify.
	To check how many ways does given number can form x^2+y^2 form.	2 for loops from i and i+1 respectively to square root of given number. If condition met then increment the count value.
	To display the given set of array in alphabetical order. Ex: Given : a[]={7,1,34,5,8} Sol: 8,5,1,7,34	Initializing the char array as one,two,three..nine and also twenty, thirty in (n-1) place. Then sorting the respective number name of given array.
	A game with n members. And a number $m > n$ is declared.First person starts from one and consecutive person continue. The m th person is out. The person next to them starts from first.if number of person in the game < m then they are moving to next level. Print the persons got eliminated in first round.	Initializing an array of size n with value n+1 respectively. Then print the m th number . Rearrange the array to size n-1 starting with person next to m . Continue this till $n \geq m$.

ROUND 3 :

Advanced coding round.

Total questions asked:1 (3parts)

DURATION: 3hrs.

Have you cleared the round : YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
C programming	Design a flight booking system for two flights. There are 18 seats in each flight,6 business class and remaining are economy class. Flight charges differs,flight number differs,number of persons per booking differs, if they order food extra money should be added. If they cancelled the booking penalty should be there. If they want to view the details of flight then it should display the customer details, occupied seat number, unoccupied seat number in each flight.	I used 3 different switch cases for booking , cancellation, viewing. For gathering the customer details , I used files concept.

ROUND 4 :

Technical Interview.

There were 3 technical round in 1 day.

Areas covered:

Mini project and main project, Pointer,files, difference between c-c++, structures, linked list and it's advantage and disadvantage,arrays, oops concepts in C++, over riding and over loading, const keyword.

Have you cleared the round : YES

ROUND 5:

HR Interview.

- About my project
- About my family
- Offers that I already have
- Why Zoho

AREAS TO PREPARE :

Aptitude.

Any programming language with lots of practice in arrays and strings.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

APTITUDE: Indiabix, Faceprep

PROGRAMMING: Hackerank, Hackerearth, Geeks for geeks.

OVERALL EXPERIENCE :

Programming round are little challenging.
Technical and HR Interview are very smooth .

GENERAL TIPS :

- Practice programming daily.
- Be confident with all your answers.
- Try to answer every question.
- Be humble.



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PLACEMENT YEAR 2020-2021

NAME : BHARATH KUMAR S

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COMPANY NAME : ZHOHO

COMPANY TYPE : CORE

JOB DESIGNATION : SOFTWARE DEVELOPER

SALARY (CTC) : 4.6 LPA

INTERN OFFERED ? : NO

BOND : NO

HAVE YOU PLACED ? : YES

COMMENTS ON SELECTION PROCESS :

ROUND 1 : GENERAL AND TECHNICAL ROUND

This round consists of technical and general aptitude. It was not MCQ type questions and we have to type the answers. There was no negative marking.

Have you cleared the round : YES

ROUND 2 : SHORT CODING

In L2 round I was given 4 coding questions and the duration given was 3 hrs. He told me to share the screen and the camera was on throughout the interview. After completing each coding question we have to show the code and they will give some test cases. Once the interviewer is satisfied with the output, then we have to explain the code. I completed 2 coding questions. Some candidates got 7 questions in this round. It all depends on the HR.

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
	1. Write a program to check if the given alpha numeric satisfies all of the below conditions. i. A single alphabet or digit occurs 2 consecutive times. Like 77 / cc ii. A single alphabet or digit occurs 3 or more times in the given alpha numeric. iii. Three consecutive alphabets or digits either in increasing or decreasing order. Like 345 / 543 or xyz / zyx. iv. Not more than 2 spaces. Input : 54234efg33h Output : Matches	Solved by simple if else statement and counted the conditions satisfied
	2.Using RECURSION, write a program to find the decimal equivalent of a given binary number Input : 110010 Output : 50	
	3. Write a program to form lines using the given set of words. The line formation should follow the below rules. i) Total characters in a single line excluding the space between the words and the favorite character should not exceed the given maximum number	

	<p>ii) Favorite character is case insensitive. i.e, if the favorite is specified as 'd' then both 'd' and 'D' should be left out while counting.</p> <p>iii) Words should not be broken up. Complete words alone should be used in a line. A word should be used in one line only.</p> <p>Input : Max char per line : 10 Favorite character : o Words : Zoho,Eating,Watching,Pogo,Loving,Mango</p> <p>Output : Watching Zoho (10) Eating Mango (10) Loving Pogo (7)</p>	
	<p>4.A queen is standing on an n x n chessboard. In a single move, she can attack any square in any of the directions (left, right, top, bottom and diagonal). There can be obstacles 'K' on the chessboard, each preventing the queen from attacking any square beyond it on that path. Determine how many squares the queen can attack including the obstacles. Chessboard size, the queen's position, number of obstacles and their position's should be obtained as input.</p>	

ROUND 3: LONG CODING ROUND

Initially he asked me to introduce and then he gave one coding question was given and it was split into 8 tasks. The duration was 4 hrs. Initially the interviewer explained me the question and then he asked me to write the input and output for each task in paper and asked me to send that via mail. Once he was satisfied with that, he asked me to code. He told me to share the screen and the camera was on throughout the interview. I completed 4 tasks and he asked me to run the code to verify the test cases. Then he asked me to do DB modelling for the given question. Once he was satisfied he asked me if I have any other questions to ask and this round was over.

Have you cleared the round : YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
	<p>Virtual Gift Card System Write a program to manage a virtual gift card system by linking with an existing banking</p>	Solved by creating structure for bank account and gift card.

	system. As part of this, the following operations need to be supported. <ul style="list-style-type: none"> ● Account summary ● Creating a Gift Card by using a particular customer's account balance ● Top-up of existing Gift Card with account balance ● Close a Gift Card, which should return balance to the associated account ● Purchase using a Gift Card 	
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ROUND 4 : TECHNICAL ROUND

This round was split into 2 technical rounds and the duration was 1 hr totally. Initially he asked me to explain the code that I did in L3 round. Then he asked some Java questions and after this another technical round started and he asked most of the questions from Java and some questions from C, Data Structures, DBMS.

Have you cleared the round : YES

Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
JAVA	What is object? What is Class? What is Inheritance? Explain the types of Inheritance? What is Abstraction? What are the levels of abstraction? What is Polymorphism? What is abstract class? What is Interface? Difference between Method overloading and Method overriding? What is operator overloading? Explain access specifiers (Public, Default, Protected, Private)	
C	What is Pointer? Difference between Null Pointer and Void Pointer? Difference between compiler and interpreter? Explain Storage Classes?	
DS	What is spanning tree? Real time applications of DS What is Doubly linked list?	
DBMS	What is Normalization? Explain 1NF, 2NF, 3NF, BCNF? Keys in DBMS	

ROUND 5: GENERAL HR ROUND

1. What do you know about Zoho?
2. Why Zoho?
3. You have 2 offers – ZOHO with 4.6 LPA and TCS with 6.5 LPA, which one will you prefer?
4. What is your Vision?
5. About Family Background
6. Do you have plan for higher studies?
7. Willing to relocate?
8. Is this package (4.6 LPA) ok for you?
9. Do you have any questions for me?

AREAS TO PREPARE :

- General and technical aptitude.
- Coding.
- Be strong in fundamentals in C, Java, DBMS, Data Structures.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Aptitude:

1. Feel free to learn (YouTube)
2. Freshersworld (YouTube)
3. Indiabix (app)

Coding and Technical:

- GeeksforGeeks
- HackerRank
- W3 Schools (SQL)
- Neso Academy (YouTube Channel)

OVERALL EXPERIENCE :

I spoke to the interviewers in tamil only and they were very friendly to me. Only in HR round I spoke to them in English and the HR was not friendly as he was testing my attitude.

GENERAL TIPS :

- Be confident and clear enough in what ever you are saying.
- Don't be tensed as that will reflect in your face.
- Try answering everything.
- If you don't have any idea, just politely ask the interviewer "if I can say in my point of view what I know".
- Practice coding daily.