COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME   : Sofiya V

ROLL NUMBER   : 1705106

DEPARTMENT   : B.E -CSE

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CONTACT NUMBER   : 8270258891

COMPANY NAME   : ZOOMRX

COMPANY TYPE   : CORE

JOB DESIGNATION   : Software Development Engineer

SALARY (CTC)   : 6 LPA

INTERN OFFERED ?   : YES

BOND   : NO

HAVE YOU PLACED ?   : YES

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

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

Consisted aptitude and programming questions.
Two programming questions were given, both were related to indexing in Excel sheet.

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Datastructures	Given a pair of cell index in the excel sheet and asked to find the number of cells in the given range.	Created and used a simple formula for finding out the column indexes of the cells (row index will be number so that can be used as it is)and calculated the number of cells in the range.
Datastructures	Given a set of pair of cell indexes in the excel sheet and asked to find out the number of overlapping cells in the set.	Same as above for finding out column index. Minimum index from right one and maximum index in the left in the pair is found out and calculated the number of cells in that range and that will be the overlapping cells.

ROUND 2 :

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Object oriented programming	Explanation of oop concepts	Explained the oop concepts with real time example.
Database management system	Different keys used in RDBMS and normalization.	Explained keys with example and normalized a given table.
Datastructures and algorithms	A programming question. A game in which zombie will be at any position facing any one of the 4 directions. Given certain operation(turning left and right, moving one step forward).After performing the	Used a 2D array for the grid and 1D array for directions and performed the operations accordingly by

	given operations what will be the position of zombie and which direction it will be facing. Then the question slightly changed to consider that there are some obstacles in the grid.	incrementing or decrementing the array indexes and returned the final position and direction. Returned false if array index go out of bound. Added checking the obstacles along with checking array index bound.

ROUND 3 :

It was a general HR round.

Have you cleared the round : YES

Details about Questions on 3rd round:

Following things were asked:
- About myself
- Given a situation and tested how I am at team work
- How do I manage stress?
- Knowledge about the Company.
- Why should they hire me?
- Where I can see myself after 2-3 years or Am I a person who don't plan and just go with whatever come?
- Idea on doing higher studies.

AREAS TO PREPARE :

- Data structures and algorithms
- Database management systems
- Object oriented programming concepts

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- Geeksforgeeks
- Javatpoint
- Edureka
- Leetcode and hackerrank(for programming practice)
- Jenny's Lecture Youtube channel(for Datastructures and algorithms)

OVERALL EXPERIENCE :

- Interviews were on medium level and moderate problem solving skills were required.
- Interviewers were friendly, so interviews were more like a discussion. They made me to feel comfortable and free to ask for clarifications.

GENERAL TIPS :
- More than studying, understand things with real world examples.
- Be relaxed and feel free to interact with the interviewers in case you need any clarifications on questions.
- Before going for solving problems, convey your approach first.
- In general, don't lose hope and be self-motivated.

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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME   :Ragul M

ROLL NUMBER   :1705033

DEPARTMENT   :B.E.,(Computer Science and Engineering)

EMAIL ID   :ragulmeham78@gmail.com

CONTACT NUMBER   :7339296772

COMPANY NAME   :ZOOMRX

COMPANY TYPE   :CORE

JOB DESIGNATION   :Software Development Engineer

SALARY (CTC)   :6 LPA

INTERN OFFERED ?   :NO

BOND   :NO

HAVE YOU PLACED ?   :YES

(Please comment this section __in detail__ to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

ROUND 1 :
We were given with 2 coding questions which are of intermediate level. Strong understanding Data structures and algorithm would help us to solve these questions.

Have you cleared the round : YES
Details about Questions on 1ˢᵗ round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
	To Find no of cells selected in an excel file. Input:A1:B5 Output:10 A-Indicates the column (A B C D.....Z AA AB.....AZ..ZZ AAA AAB....ZZZ AAAA....) 1-Indicates the row Cells are selected from column A to Column B of row 1 to row 5	First separated the input as [[A,1],[B,5]] then calculated equivalent for A and B. In that Stored an dictionary of A to Z with value 1 to 26 respectively. For each digit of input(AAB) from reverse , summed value of that from dictionary multiplied with temp initially 1 which multiplies by 26 on each iteration. Then found row difference and column difference each are incremented by 1 and multiplied to print output.
	To Find no of cells selected by all inputs in an excel file. Input:A1:Z10 P4:R8 I5:AA6 Output:6 A-Indicates the column (A B C D.....Z AA AB.....AZ..ZZ AAA AAB....ZZZ AAAA....) 1-Indicates the row Cells are selected from column A to Column B of row 1 to row 5	First separate input as question 1 but here you have list of matrices (1 matrix for 1 input(A1:B5)). [[[A,1],[Z,10]],[[P,4],[R,8]],[[I,5],[AA,6]]] Find equivalents for column as question1. To find row difference, subtract max(inp[0][1]) from min(inp[1][1]) and for column difference subtract max(inp[0][0]) from min(inp[1][0]). Increment differences by 1 and multiply them to print output

ROUND 2 :

In round 2, there will be an face to face interview with 2 interviewers for one and half hour. There will be questions on your resume, area of interest and about your projects. There will be more questions on OOPS concepts. Then given an editable google docs where we will be given with coding questions to solve and modifications are given and are of intermediate level. And asked to solve by OOPS concept. Interviewers were friendly and even if had problem in expressing our answer, they would help us and made us clear.

Have you cleared the round : YES
Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
OOPS	Your given an whiteboard of MxN dimensions. A pacman is given which has 3 fields (i,j,N) i- position of X coordinate j-position of Y coordinate N-head of pacman(Direction-facing) Some commands are given. After those commands find position and direction of pacman. Commands are 3 format (L,R,M) L- rotate pacman anticlockwise by 90 degree L- rotate pacman clockwise by 90 degree M-Move one step forward on direction it facing Input: (1,2,N) LLRM Output:(0,2,W)	Created on Object with property i, j and direction. Created list for four direction in order. Found index of its direction in list. On R incremented the index (If index 3 then started from 0) and On R L decremented (If index 0 then started from 3). Changed direction to current index. On M, If Direction is N incremented j by 1, If S decremented j by 1, If Direction is E incremented i by 1, If W decremented j by 1. Then modifications are given by interviewer.

ROUND 3 :

Round 3 is general HR round. Usual questions like tell me about yourself, why should we hire you, about our family, how you upgrade your skills.

Have you cleared the round : YES
Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

ROUND 4 :

Have you cleared the round : YES / NO
Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

AREAS TO PREPARE :

OOPS, Data Structures, OS, DBMS

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Hackerrank, GeeksforGeeks

OVERALL EXPERIENCE :
Really been an good experience. Questions that were asked, would definitely challenge yourself. Interviewers were very friendly and make us free to show our self.

GENERAL TIPS :
Good understanding on OOPS concepts, Data structures, OS and DBMS with their pros and cons with their applications.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	:	JEEVANANTHAM V
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CONTACT NUMBER	:	8300211380
COMPANY NAME	:	ZOOMRX
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	QUALITY ASSURANCE ENGINEER
SALARY (CTC)	:	5LPA
INTERN OFFERED ?	:	YES
BOND	:	NO
HAVE YOU PLACED ?	:	YES

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

The online test consists of four sections

I. Quantitative Aptitude

II. Coding Ability

The time constraint is of 60 minutes for programming and 30 minutes for Aptitude. Questions are asked from array and string concepts in programming and aptitude went usual like any other test.

Have you cleared the round : YES

ROUND 2 :

I was told to introduce myself. The interviewer proceeded by asking questions about my project I did, the areas of interests and the skill set that was mentioned on my resume. I was given multiple puzzles, maths questions and logical thinking questions. I was instructed to deliver the approach I used coupled with the answers. Then inputs and outputs are given and asked for logic behind those inputs and outputs. After explaining the logic I was asked to program it accordingly.

Have you cleared the round : YES

ROUND 3 :

I was told to brief on my resume. The panellist explained the nature of the job. Then he asked me how do you react for the given situation by giving some model situations. Then I was asked for some questions on team management skills and also from the exception handling skills required by the Quality Assurance engineer.

Have you cleared the round : YES

AREAS TO PREPARE :

- ☐ Basics of Programming
- ☐ Data Structures and Algorithms
- ☐ Quantitative Aptitude
- ☐ Puzzles
- ☐ Some common definitions from programming basics

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

https://www.javatpoint.com/aptitude/quantitative

https://www.indiabix.com/technical/interview-questions-and-answers/

https://brainly.in

OVERALL EXPERIENCE :

The interview process was concentrated on the skills that we already possess and went on very smoothly.

GENERAL TIPS :

☐ Be confident while answering the questions.

☐ Be thorough in the fields and projects mentioned in your resume

☐ Stay curious and develop a conversation with the panellist rather than a yes/no type discussion.