



# COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

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## PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	:K. Saranya
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CONTACT NUMBER	:8870262805
COMPANY NAME	:Multicoreware
COMPANY TYPE	:Core
JOB DESIGNATION	:Software engineer
SALARY (CTC)	:6.3Lpa
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 : Selection process went smooth.

ROUND 1 : Online test [ 1 hr]

Mcq type of questions were asked.

Totally 30 questions were given under three sections with negative marks.

Mostly from technical side few were general apti questions.

Questions were asked from the domain like ds, operating system, networks,code snippets from c++ ,oops.

ROUND 2 : Online coding round(1 hr)

Six questions were given under easy, medium and hard category.

Question from matrices and graph were mostly asked.

In this round some inbuilt functions were already given in c++ language which can be used if necessary

.So if we code in c++ lang it would be really helpful in this case.

Have you cleared the round : YES

Details about Questions on 2<sup>nd</sup> round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
	matrix multiplication to be solved with less time complexity	I solved using brute force approach
	Pattern printing in matrix given with certain constraints	Logic used in this is spiral printing of matrix

ROUND 3 :Technical interview 1 (30 mins)

In this round only one coding question was given and asked to me write code in google docs and once i solved it many followup questions were raised based upon the ds ,logic used and time complexity of code.

Have you cleared the round : YES

Details about Questions on 3<sup>rd</sup> round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
	Given two arrays to find the intersection values.	First gave a solution using set to store values from one array and find whether the value from second array present or not. Then the interviewer asked me to give a solution with the array sorted. So i Sorted an array which is smaller one and used binary search to find the intersected value.

ROUND 4 :Technical interview 2 [30 min]

Few Questions from online coding round regarding the logic i used and few follow up questions were given based on the data structures used.

Few Graph related questions were raised and asked me to right code to implement graph using adjacency list in c++.

Few oops related questions were asked

Have you cleared the round : YES

ROUND 5: Hr interview [30 min]

Questions like about myself and previous interview experience.

What is your long term goal?

Then one puzzle is given-pirate puzzle

<http://www.smartestbrain.com/brain-teasers-adults-party-puzzles/pirates/>

Have you cleared the round : YES

AREAS TO PREPARE :

Data structures, oops concepts ,operating system ,c++

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Indiabix-general apti.

Hackerrank, leetcode,interviewbits-programming

Geeksforgeeks-For knowledge in core subjects

OVERALL EXPERIENCE : The interview process went smooth. Interviewers were kind and friendly.

GENERAL TIPS : Be bold and feel free to ask questions.



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## PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	LIVESHKUMAR R:
ROLL NUMBER	: 1704085
DEPARTMENT	: ECE
EMAIL ID	: liveshkumar14@gmail.com
CONTACT NUMBER	: 9080274671
COMPANY NAME	: MULTICOREWARE INDIA (P) Ltd
COMPANY TYPE	: CORE
JOB DESIGNATION	: Software Engineer
SALARY (CTC)	: 6.3 LPA (including performance-based bonus)
INTERN OFFERED ?	: YES
BOND	: NIL
HAVE YOU PLACED ?	: NO

## COMMENTS ON SELECTION PROCESS :

### ROUND 1: Online Test Multiple choice question

It consists of three parts.

- 1). Aptitude
- 2). Data structures, Basics coding questions
- 3). OS related question (GATE questions is enough), Process allocation questions , programing questions.

The aptitude part is quite easy. Then data structures need more basics knowledge. The biggest thing have to be taken care here is **negative mark**. For each wrong answer have a negative mark

Test Duration: 45mins

Have you cleared the round: YES

### ROUND 2 : Online Round Coding questions

It has 4 questions. One easy, two medium and one hard question. Each has different marks based on the level of questions. The language used for coding are Cpp, Java, and Python. The submission count of a single question has been set to 10 times beyond that u can't submit.

Test Duration: 60 minutes

Pre –Defined code: For all questions they had given some skeleton. But all skeleton are in cpp language only.

Details about Questions on 2<sup>nd</sup> round:

QUESTION TYPE	QUESTION	SOLUTION / HOW DID YOU APPROACH
Easy		
Medium	Matrix Multiplication	<a href="https://www.geeksforgeeks.org/c-program-multiply-two-matrices/">https://www.geeksforgeeks.org/c-program-multiply-two-matrices/</a>
Medium	Linear convolution formula is given and asked to write code for the formula	<a href="http://allcomputerprograms.blogspot.com/2011/09/linear-convolution.html">http://allcomputerprograms.blogspot.com/2011/09/linear-convolution.html</a>
Hard	This question is related to graph.	

Have you cleared the round: YES

### ROUND 3:

Technical round

Face to Face

It was a problem solving skill testing round. The round happen for 30 – 35min in Zoom platform

Details about Questions on 3<sup>rd</sup> round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Programming	Given an matrix and asked to rotate the matrix by 90 degree clockwise	Simple brute force method
Data Structure	Is it possible to do Binary search in Link list	Yes, Said about time complexity of the code

Have you cleared the round: YES

**ROUND 4:**

Technical round

Face to Face

Time Duration: 25 – 35 minutes

Platform: ZOOM

Details about Questions on 4<sup>th</sup> round:

S.NO	QUESTION	SOLUTION / HOW DID YOU APPROACH
1	Asked the logic for hard question which they given in second round (Graph related question)	Given some logic explanations
2	What is BFS and DFS	Explained about BFS and DFS difference
3	Your input in the range of $10^{64}$ ( 10 power 64) Write an algorithm to get the input and store that input into your computer for future computation	Explained using link list
4	Graph representation using Adjacent Link list method Asked to write the prototype of the structures used in that representation	Written all structure body of adjacent link list
5	What is Tiling?	

Have you cleared the round : YES

**Round 5: General HR round**

Asked one puzzles.

Some basic behavioural questions.

What is your strength?

How you done your second round?. What are logics u used?.

What is your Lifetime goal?

Do you have any questions?

**AREAS TO PREPARE:**

- 1). Data Stricture
- 2). Programming basics (Be strong with one language)
- 3). Aptitude

**SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :**

- 1) GFG (for Coding)
- 2) Fresherlive.com (Aptitude)
- 3). Srinivasan tutorial for Data Structure
- 4). Tech Dose

**OVERALL EXPERIENCE:**

- 1).Quite Good
- 2) Coding platform consist of three language alone.
- 3) Face to Face interview is good and they are friendly too.

GENERAL TIPS:

- 1). Be Strong with the things you studied
- 2). Don't break yourself at point of time. Try to give your Best
- 3). If it is Online interview means try to have some alternative to face all technical issues
- 4). Try to find answer for all questions which are asked in previous round.
- 4) All the Best. Prepare well Do well