



**COIMBATORE INSTITUTE OF TECHNOLOGY**  
(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)  
CIVIL AERODROME POST, COIMBATORE - 641014.

**PLACEMENT AND TRAINING CELL**

PLACEMENT YEAR 2020-2021

NAME : VANITHA N

ROLL NUMBER : 1705054

DEPARTMENT : COMPUTER SCIENCE AND ENGINEERING

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CONTACT NUMBER : 8248783075

COMPANY NAME : INCTURE TECHNOLOGIES

COMPANY TYPE : CORE

JOB DESIGNATION : ASSOCIATE CONSULTANT

SALARY (CTC) : 7 LPA

INTERN OFFERED? : NO

BOND : NO

HAVE YOU PLACED? : YES

## COMMENTS ON SELECTION PROCESS:

### ROUND 1:

**Online Assessment:** Contains 4 sections and section with certain allotted time.

- Quantitative Aptitude
- Verbal reasoning and Comprehension
- Logical Reasoning
- Programming(2)

**Have you cleared the round:** YES

**Details about Questions on 1<sup>st</sup> round:**

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
MCQ	Some general aptitude questions and some basic technical Questions	
Rotate Matrix by angle	Given Square matrix as a single line input. Process the input and rotate matrix by x degree (NOTE: degree will be multiples of 90).	I approached by using list concept in python to process input and row column swapping with simple conditions to print rotated value in a single line. Similar problem model exists in Geeks for Geeks as Inplace Rotate Matrix
Beer problem	Given certain measurable mugs with [1,5,7,10] gallons and to find the minimum mugs required to fill a given quantity 'K'	Greedy approach

## ROUND 2:

### Design Round:

Two problem statement as Software Application (Problem) was given and asked to give solution for one statement in the following manner as word document / PPT / handwritten in stipulated time (30min):

- Problem Statement
- Solution in bullets(no essay)
- Flowchart representing solution idea
- Summary notes

**Have you cleared the round:** YES

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

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Design	Hotel Room differential pricing to optimize room utilization across categories and customer segments	
	Mean planning software for airlines to optimize customer experience and management	Overview of my approach is that i have designed solution considering the <ul style="list-style-type: none"><li>• customer economic status</li><li>• Meal categorizing based on session of day, customer interest and also recommendation through customer feedbacks.</li><li>• combo offers etc.,</li></ul>

### **ROUND 3:**

#### **Technical HR**

- Self Intro about myself and some questions about academics.
- Project Description and technologies used in it.
- Explanation of solution suggested in Design round

**Have you cleared the round: YES**

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

<b>QUESTION DOMAIN</b>	<b>QUESTION</b>	<b>SOLUTION / HOW DID YOU APPROACH</b>
Programming language	Your preferred Programming language and Programming language learned in academics and some basic questions related to it.	My preferred language C and Python
Project	Explain about project and questions related to the techniques used in the project.	Explained about entire view and technologies used. In order to highlight my project I explained the existing system drawbacks and my efficient solution to overcome it.
About Design round solution	Explain about the design round and solution suggested and few questions related to it like why you have suggested in this way as such.	Gave my view point in the solution and some efficient way of solutions

**ROUND 4:****General HR:**

- Brief intro about myself and my career.
- Some general questions about my technical round experience.
- My leadership skills.
- My hobbies.
- My goal in life and my steps towards it.

**Have you cleared the round: YES**

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

<b>QUESTION DOMAIN</b>	<b>QUESTION</b>	<b>SOLUTION / HOW DID YOU APPROACH</b>
General Questions	Personal Interest apart from academics	Explained about hobbies and some interest about me
	My dedication in my group project	Explained my part in project
	Give any instant describing Leadership skills	Explained about some events conducted and led in my academics.

**AREAS TO PREPARE:**

- Quantitative Aptitude
- Verbal reasoning, Grammar
- English Comprehension
- Logical Reasoning
- Programming
- Communication skills
- Creative thinking
- Designing

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

- Geeks for geeks
- Hackerrank
- Indiabix
- Leetcode
- Interviewbit
- Freshersworld (for aptitude shortcuts)

**OVERALL EXPERIENCE:**

The overall experience of the process is very smooth and good. The HR in both f2f round was friendly and gave enough time to explain my viewpoint.

**GENERAL TIPS:**

- Regular Programming practice is necessary.
- Solve some aptitude problems daily to manage time during assessment.
- Be confident in answering every question. Be bold enough to answer to their question and explain your viewpoint clearly.



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## PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : THANIGAI ARASU.R

ROLL NUMBER : 1705112

DEPARTMENT : CSE

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COMPANY NAME : INCTURE TECHNOLOGIES

COMPANY TYPE : CORE

JOB DESIGNATION : ASSOCIATE CONSULTANT-DEVELOPER

SALARY (CTC) : 7 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: ONLINE TEST

Online test consisted of four sections

- Quantitative aptitude
- Logical reasoning
- Verbal reasoning
- Programming

Have you cleared the round: YES

Details about Questions on 1<sup>st</sup> round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Programming	Given the values describing different quantities of available bottles (1, 5, 7, 10) in gallons were given we have to find minimum number of bottles needed to fill M quantity of water.	It is similar to minimum coins to make sum Dynamic programming problem.
Programming	Rotation of matrix anticlockwise direction by k times.	Find the transpose of the matrix and reverse every column of the matrix. This should be done k times.

### ROUND 2: SYSTEM DESIGN

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

It was the important round for the whole interview process and the questions from this design was also asked in further rounds. They provided two problem statements and we were asked to come up with a solution for any one statement and do the following:

- Problem Statement
- Solution in steps (no long paragraphs)
- Flowchart for the solution approach
- Summary

Have you cleared the round: YES

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Design	Meal Planning Software for Airlines to enhance user experience and cost management.	The solution which I came up with was like the average count of passengers for each day and for each class must be precomputed. So with the help of the dataset meal preparation can be done which improves



		cost management. In order to improve the user experience a simple app can be created with menu and other functions can be made and to be installed by them while travelling.
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### ROUND 3: TECHNICAL HR

Have you cleared the round: YES

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

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Internship	The questions were based on my internships like the technologies and the tools used. Since I have done with Php and Javascript ,some basic questions were asked with Php and Javascript like request-response and several others.	
Project	Some questions related to my project were raised like what technologies were used and implementation difficulties faced and what motivated me to do the projects.	
DS and DBMS	Design round question was again discussed related to its implementation. The questions were about the DS and DBMS concepts related to the implementation of the design which I proposed in the earlier round like what kind of SQL query to used perform certain functions.	
OOPS	Basic OOPs questions were asked.	

### ROUND 4: GENERAL HR

Have you cleared the round: YES

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

This round consisted of typical General HR round questions such as role model, strengths, weakness, family background. In this round the HR also explained what kind of career growth would I get in Incture.

AREAS TO PREPARE: Quantitative Aptitude, Logical Reasoning, Programming, System Design, Data Structures, DBMS and OOPS.

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

### Programming:

- Interviewbit
- Hackerrank
- GeeksforGeeks
- Leetcode
- Indiabix(General Aptitude)
- Gaurav Sen (Youtube channel for System Design)

OVERALL EXPERIENCE: The overall experience was good .The interviewers were friendly. Since the overall interview process finished in one day it was bit hectic rest it was a nice experience. As I previously mentioned, the design round is the important of all and further rounds were only based on that.

### GENERAL TIPS :

1. Regular coding experience and basic understanding of DS, DBMS and OOPS is must.
2. System Design which you make in the second round is important and try to make it such that it satisfies all the constraints and the features asked by the interviewer.
3. Prepare a good resume as most questions were based on the resume.
4. Be confident in approaching a problem or answering the questions.



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## PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : Suraj Kumar Sharma B

ROLL NUMBER : 1805211

DEPARTMENT : CSE

EMAIL ID : surajrs911@gmail.com

CONTACT NUMBER : 8675205969

COMPANY NAME : INCTURE TECHNOLOGIES

COMPANY TYPE : CORE

JOB DESIGNATION : Associate consultant

SALARY (CTC) : 7 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 :

Online test : had allotted time for different sections like:

Quantitative aptitude  
logical reasoning  
verbal reasoning  
programming

Have you cleared the round : YES

Details about Questions on 1<sup>st</sup> round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Dynamic programming	Set of values describing different quantities of available mugs (1, 5, 7, 10) in gallons were given we have to find minimum number of mugs needed to fill M quantity of water.	It was more relatable to famous minimum coins problem in Dynamic programming. You can refer geeks for geeks for complete explanation.

### ROUND 2 :

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

It is the important round for upcoming HR rounds also. They provided two problem statements and we were asked to come up with a solution for any one statement and do the following:

Problem Statement  
Solution in steps (no long paragraphs)  
Flowchart for the solution approach  
summary about the solution

Have you cleared the round : YES

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
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Designing	Differential pricing to optimize the room utilization across categories and customer segments.	I basically described about getting customer feedback or using existing records if available to analyse most and least preferred facilities by various groups of customers. Then finally categorize rooms based on number of facilities available in different rooms into tiers like tier1, tier2 and tier3. (EX. If a room has A/C and large space then will be put into tier 1 category ).

### ROUND 3 :

#### Technical HR Round :

Some general questions were asked in this round like :

give a brief introduction about yourself

few questions from resume

what are your plans for next 5 years.

Have you cleared the round : YES

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

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Programming Languages	Which language you are comfortable with.	My answer was Python
Project	Explain about your recent project ? What is convolutional neural network ?	I explained my mini-project. I gave a simple description about CNN and where and why we used CNN in project. (NOTE : If you do not remember everything about technologies in project its fine try to explain the purpose as i did ).

About Design round	Why you did not choose other problem out of two problem statements given ?	Because i was more familier with the problem i chosen. If i had to choose other problem it would take some time for to figure out a design.

ROUND 4 :

HR round:

Some general question about family background. No technical questions were asked.

Have you cleared the round : YES

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

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
General H R questions	Define good job?	I described a good job as place where i can grow (learn new skills) and earn (have a reasonable pay) at the same time.

AREAS TO PREPARE : Quantitative aptitude, Logical and verbal reasoning, programming, design skills and communication skills.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Interviewbit – usefull for both coding as well as design round.

geeks for geeks

hackerrank

OVERALL EXPERIENCE : The experience was good. The interviewers were friendly and they simply moved on to next question when i finish answering like they did not ask me again for few questions were the expected answer was long but i ended them in as short sweet manner.

GENERAL TIPS :

1. Practice programming daily though when you solve a problem it feels like you know that problem completely it is not the case all the time. Try to repeatedly solve problems.
2. Give equal importance to technical skills and soft skills.
3. Be confident and bold while speaking to interviewers
4. If you understood your approach in design round then stick to the points do not get confused and counter your own solutions because of cross of questions.