



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	: SUBITHA M
ROLL NUMBER	: 1705052
DEPARTMENT	: Computer Science and Engineering
EMAIL ID	: subithamurugesan14@gmail.com
CONTACT NUMBER	: 6382475509
COMPANY NAME	: Robert Bosch Engineering & Business Solutions Pvt.Ltd
COMPANY TYPE	: CORE
JOB DESIGNATION	: Associate Software Engineer
SALARY (CTC)	: 5LPA
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**

There were 3 sections and each section with certain allotted time.

- Aptitude –General aptitude, Reasoning and some of the verbal questions.
- Technical MCQ-some of the c and c++ code snippets were given, questions from computer networks, os, dbms, ds.
- Programming- simple coding questions(2) were asked ,the time limit for this section is 30 minutes.

Have you cleared the round : YES

ROUND 2 : **TECHNICAL INTERVIEW**

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
General	Why computer science, hobbies.	
C	Pointers and double pointers And some basic questions related pointers.	
Data Structures	Difference between Arrays and Linked list. Use of this two. And some of the data structure concepts.	
Algorithms	Dynamic Programming concepts.	
Projects	About the domain why this project and some questions about the projects.	

ROUND 3 :GENERAL HR

Have you cleared the round : YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Projects	What was your contribution and how many projects you have done.	
	About the company .	
General	General questions about me, my family background, native and some general questions.	
	Would you like to go for higher studies?,,	

AREAS TO PREPARE :

Aptitude,C, basic concepts of the core subjects.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- Aptitude(Feel free to learn youtube channel)
- IndiaBix, RS Agarwal
- Geeks for Geeks.

OVERALL EXPERIENCE :

The Interview process was Good.

The Interviewer was very Friendly and helpful.

GENERAL TIPS :

Good Communication is important and fluency too.

Be confident.

Have a Basic Knowledge about the company.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : AFRIN BANU S

ROLL NUMBER : 1705062

DEPARTMENT : COMPUTER SCIENCE AND ENGINEERING

EMAIL ID : afrinbanus2105@gmail.com

CONTACT NUMBER : 8825817399

COMPANY NAME : ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS (RBEI)

COMPANY TYPE : CORE

JOB DESIGNATION : ASSOCIATE SOFTWARE ENGINEER

SALARY (CTC) : 5 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 Assesment - 1 hr

General aptitude - 25 qns
Technical Aptitude - 35 qns
Coding - 2 qns

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
MCQs	Quantitative apti , Logical reasoning ,verbal reasoning and technical questions in C++,C,dbms	
Programming	Given a string print the character and its frequency(number of times it repeated) exactly once as in the order of input string.E.g:adcfacdc Output : a2d2c3f1	Used hashmap and getOrDefault method for finding the character's frequency and included condition to neglect the duplicate elements
Programming	Given a mail-id as input that contains alphanumeric characters E.g: happy21g@gmail.com. Print the name of mail before the '@' and its length as a single string E.g:output: happy21g9	Use the split method and delimiter as '@' and store input in string array. Then fetch the first argument of string array and find its length .Concatenate both and print a single string

ROUND 2 : Technical interview - 25-30 mins

- ✧ They asked me to introduce myself.
- ✧ Which language would I mostly prefer to code ?
- ✧ They asked me how well I know python
- ✧ About my skill sets
- ✧ Basic questions in core subjects

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
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Project	Why I choosed this project ? Techniques used in that project What's my role in project and about other members contribution We did project in python so they asked why we choosed particularly python ?	
Data structures	What is Linked list ? its Applications ? What is recursion ? why should we use it ? Difference between structure and array	
Sorting algorithms	What are all the sorting algorithms ? They told to code any one sorting technique than they asked me some other sorting approaches.	Bubble sort coded in java
C Concept	Pointers and its use.They told me to swap 2 values using pointers. Storage Classes - types and its scope , usage. Difference between auto and register	
DBMS,SE Common Qns	What is SDLC ? Explain its phases ? Binary search Algorithm explanation About DBMS ?	

ROUND 3 : General HR - 15 mins

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

- ✧ Little introduction about myself ?
- ✧ They asked me about the experience in previous technical round
- ✧ About my hobbies and interests
- ✧ How was the bosch interview process ? They told me to rate it from 1 - 10
- ✧ Family background
- ✧ They asked me What was the biggest achievement I did ?
- ✧ What was the most difficult situation I overcame ?

- ✧ About my role model
- ✧ Finally any questions to ask them

AREAS TO PREPARE :

- ✧ General Aptitude
- ✧ Technical Aptitude
- ✧ Basic Programming
- ✧ Core Subjects
- ✧ Communication Skills

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- ✧ Leetcode (Coding)
- ✧ Geeks for Geeks (Concepts)
- ✧ Hackerrank (Coding)
- ✧ Indiabix (Apti)
- ✧ Neso Academy (Youtube - Concepts)

OVERALL EXPERIENCE :

The overall experience of interview process was good.HR and the person in Technical round was very friendly .Among all the 3 rounds if you clear the 1 st round --then all other round seems they are mainly focusing on your confidence level .So be confident on what you know and explain clearly.

GENERAL TIPS :

- ✧ Practice coding regularly
- ✧ Attend Aptitude tests then in result go through the techniques which they are used for solving and understand it and try to solve it in time (Indiabix)
- ✧ Learn the basic and repeated concepts in core subjects
- ✧ Prepare a resume and make sure you know everything in your resume.
- ✧ Be thorough in mini projects and the techniques used in that.
- ✧ If you don't know some answer or not comfortable with the language they told you to code, then tell them about that.
- ✧ Be calm and confident through the interview process.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	: Rakshith L
ROLL NUMBER	: 1705097
DEPARTMENT	: Computer Science and Engineering
EMAIL ID	: rakshithrax99@gmail.com
CONTACT NUMBER	: 8825867224
COMPANY NAME	: Robert Bosch Engineering and Business Solutions
COMPANY TYPE	: CORE
JOB DESIGNATION	: Associate Software Engineer
SALARY (CTC)	: Rs. 5,00,000 Per Annum
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

It had 3 sections Technical MCQ, Aptitude, Coding.

Technical MCQ:

It was based on our basic knowledge on C, C++, Operating Systems, Networks, DBMS. The questions were pretty simple.

Aptitude:

This was rather the easiest section of the lot. The questions were based on our logical thinking and a few basic level quant questions.

Coding:

Two simple coding questions were asked which had to be solved in 30 minutes.

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Strings	Given a string of form 'abcdabcdabcd', print the output as 'a3b3c3d3'	Hash tables
Strings	Separate the username from an email id and print the username along with its length	Traversed the string till I reached an '@' and added the characters into a new string.

ROUND 2 : Technical Interview (20 minutes)

- Questions were based on my resume.
- The interviewer suggested that I had more projects, but that wasn't an issue as long as I was able to answer her questions.
- **A coding question was asked:** Find the count of elements in an array such that it is greater than all its preceding and its immediate succeeding elements. I traversed through the array while maintaining a max variable which records the maximum element so far. When the i^{th} element is greater than max and the $(i+1)^{\text{th}}$, increment the count.

Have you cleared the round : YES

Details about Questions on 2nd round:

ROUND 3 : General HR

- Questions based on my ambitions, short term goals, why should we hire you, etc.
- Lasted for 15 minutes and the interviewer was friendly.

Have you cleared the round : YES

AREAS TO PREPARE :

- Aptitude
- Coding
- Basics of C, C++, Data Structures, OS, DBMS, Networks, Computer Architecture.
- Project knowledge is important.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- Geeksforgeeks
- Leetcode

OVERALL EXPERIENCE :

Friendly interviewers, easy questions.

GENERAL TIPS :

- Be strong with what's mentioned in the resume.
- More projects and online certifications add good value.
- Try solving CAT mock question papers; it will give a strong base in aptitude.
- Never be too honest with the interviewer, try answering diplomatically. For example, when the interviewer asks about your passion, try relating it with the job and not your passion for extra-curricular activities.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : GNANASRI G

ROLL NUMBER : 1703070

DEPARTMENT : ELECTRICAL AND ELECTRONICS ENGINEERING

EMAIL ID : gnanasrigovindaraj@gmail.com

CONTACT NUMBER : 8883174847

COMPANY NAME : ROBERT BOSCH ENGINEERING & BUSINESS
SOLUTIONS PVT. LTD.

COMPANY TYPE : CORE

JOB DESIGNATION : ASSOCIATE SOFTWARE ENGINEER

SALARY (CTC) : 5,00,000 INR

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*

- ☐ There were 60 multiple choice questions to be solved in 60 mins.
Technical questions - 35 qns
Aptitude questions – 25 qns
- ☐ Technical section consists of questions from all the core subjects like Digital Integrated Circuits, Electronic devices, Machines, Measurements and instrumentation, Transmission and distribution.
- ☐ Aptitude section consists of questions from profit and loss, pipes and cisterns, time and work, allegation and mixture, blood relations and verbal ability.
- ☐ Time management is the main key to clear this round.

Have you cleared the round : **YES**

ROUND 2 : *TECHNICAL INTERVIEW*

- ☐ Duration: 20 minutes.
- ☐ Self-introduction.
- ☐ Project description and my role in my project.
- ☐ Explain about SR flip flop.
- ☐ What did you learn from the Inplant Training and asked to explain about it?
- ☐ How much do you rate yourself in C?
- ☐ Which area you are interested in?
- ☐ More questions from the details mentioned in my resume.
- ☐ If you are placed in Bosch, which section you are really interested to work in?

Have you cleared the round : **YES**

ROUND 3: *GENERAL HR*

- ☐ Duration : 15 minutes
- ☐ Why bosch?
- ☐ Why EEE in CIT?
- ☐ Some more general questions about me?
- ☐ About my extra curricular activities mentioned in my resume.
- ☐ Questions about my family background?
- ☐ Brief explanation about my project.
- ☐ Asked to explain about EV and HEV
- ☐ The interviewer explained about his role in BOSCH as I asked his experience.

Have you cleared the round : **YES**

AREAS TO PREPARE :

- ☐ To be more strong in all core subjects
- ☐ Be more clear in the concepts of subjects mentioned in Area of Interest

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- ☐ Aptitude - Indiabix, RS Aggarwal quantitative aptitude book.
- ☐ Technical – All subjects notes, books used for core subjects and lab manual are more than enough to be strong in basics.
- ☐ www.tutorialspoint.com – to get some more basics about core subjects.

OVERALL EXPERIENCE :

The overall experience was good. The interviewers were friendly.

GENERAL TIPS :

- ☐ Prepare well for the company and try to clear the first round.
- ☐ Be more confident in your answers.
- ☐ Be more clear with the details mentioned in the resume.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : JAYASHRI V

ROLL NUMBER : 1703020

DEPARTMENT : Electrical and Electronics Engineering.

EMAIL ID : jayashrivenkatesh2000@gmail.com

CONTACT NUMBER : 8220045425

COMPANY NAME : ROBERT BOSCH Engineering & Business Solutions Pvt. Ltd.

COMPANY TYPE : CORE

JOB DESIGNATION : Associate Software Engineer

SALARY (CTC) : 5, 00,000 INR

INTERN OFFERED? : NO

BOND : NONE

HAVE YOU PLACED ? : YES

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

COMMENTS ON SELECTION PROCESS:

ROUND 1:

Total number of questions : 60
Total time limit : 60 minutes

- This round consists of two sections.
- First section consists of 35 technical MCQs of time limit 35 minutes covering the basics of circuit analysis, machines, control systems, electronic devices, digital integrated circuits and other core concepts.
- Second section consists of 25 aptitude MCQs of time limit 25 minutes covering logical reasoning, work and time, data interpretation, directions, blood relations, averages and verbal questions.

Have you cleared the round: **YES**

ROUND 2:

Technical Interview

- This round took place in hirepro video conferencing platform.
- The interviewer asked me to give a short introduction about myself.
- Then he asked me to explain the technologies that I have used in my mini-project.
- He questioned about the difficulties that I had faced in my project and also asked me to explain how I had overcome it.
- He then gave me some circuits and asked to draw the truth table by predicting the outputs.
- He asked me to explain the components and working of any one of inverters which we have studied in power electronics.
- I was also asked to list out the applications of pull-up and pull-down resistors.
- Then he asked me to explain the piezoelectric effect and hall-effect to know about my basic understanding of subjects.
- He asked me to differentiate between microcontrollers and microprocessors. Which one is of high speed and why?
- He then enquired about the basic difference between OS and RTOS.
- The questions like what are the communication protocols that I know and in particular questions related to CAN protocols were asked.
- I was also asked about the working of a driver in relay circuits with its configuration.
- The interviewer asked me which language that I prefer most. I preferred python, so few questions like can we use pointers in python was asked. Even though I preferred python many questions were put forward on c language only like as follows to check how strong I am in c.
 - ☐ What is storage class? How they are differing by?
 - ☐ Difference between macros and inline functions their syntax and usage.
 - ☐ What are qualifiers in c? and so on.

Have you cleared the round: **YES**

ROUND 3:

General HR interview

- Interviewer asked me to explain in brief about my resume.
- He then asked me to explain about my family background and also about family members
- He asked me how much important this job to me and what are all the responsibilities that I have undertaken.
- I was also asked to explain how I feel the transformation from a student to an employee and why I have chosen BOSCH.
- He enquired whether I already have any job offers in hand.
- Then he opened himself for further queries ,I have asked him about the difficulties that he faced in the company when he joined as a fresher and also asked about the work-life balance
- The interview process went quite smooth when compared to my technical interview and the general HR was very friendly.

Have you cleared the round: **YES**

AREAS TO PREPARE :

- Aptitude questions including logical, verbal , quantitative questions
- Basics of core subjects in particular Control systems ,Digital integrated circuits and circuit analysis
- Basic concepts in C

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

1. Indiabix (website) and feel free to learn (YouTube channel) for aptitude
2. Geeksforgeeks(website) for C programming
3. All about electronics and tutorials point (YouTube channel) for electronics subjects.

OVERALL EXPERIENCE :

- It was really a great experience .About the first round time management plays a vital role.
- About the technical interview I was questioned continuously and felt a bit tough as there were no more breathing space given in between but hence I managed to explain the stuffs that I am known with.
- Final conversations with the general HR were made quite casual.

GENERAL TIPS :

- ✓ Try solving aptitude questions in a time limit.
- ✓ Rehearse yourself with self-introduction and project's technical explanations.
- ✓ Be confident and honest about what you are going to speak.
- ✓ If you don't have any idea instead of exaggerating, just admit that you're not aware of. They don't want us to answer everything but what we answer should be correct and appropriate.

☺ ALL THE VERY BEST ☺



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : SREJITHA RAJIV

ROLL NUMBER : 1703045

DEPARTMENT : ELECTRICAL AND ELECTRONICS ENGINEERING

EMAIL ID : srejitharajiv@gmail.com

CONTACT NUMBER : 9843679865

COMPANY NAME : Robert Bosch Engineering and Business Solutions Pvt Ltd.

COMPANY TYPE : CORE

JOB DESIGNATION : Associate Software Engineer

SALARY (CTC) : 5LPA

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 Assessment Test (1 hour)

- The online test consisted of two sections : Technical section and Aptitude section
- The subjects covered in Technical section were DIC, LIC, Analog Electronic Circuits, Electric Circuit Analysis, Transmission and Distribution of Electric Power, DC Machines, Control Engineering, Power Electronics etc.
- Aptitude section consisted of Verbal and Logical questions
- There was no negative marking
- The difficulty level of the questions was easy to medium but time management is necessary

Have you cleared the round : **YES**

ROUND 2 : Technical Interview

- Duration : 20 minutes
- The round started off with self introduction
- Brief description about my project
- Questions related to my project
- Differences between C and C++ language
- What are pointers? Usage of pointers?
- Questions related to the subjects mentioned as my area of interest
- How much do you rate yourself on a scale of 1-10 in C and C++ programming language ?
- Do you know python and java ?
- What do you know about Artificial Intelligence(Since AI was mentioned in my resume)
- Any queries regarding the company ?

Have you cleared the round : **YES**

ROUND 3 : HR Interview

- Duration : 15 to 20 mins
- The interviewer asked me about the difficulty level of first and second round
- He then asked to explain about me and my family

- Why Bosch?
- What inspired you about Bosch?
- Whether I would opt for higher studies? If no, state the reason
- Brief description about my project and my contribution towards the same
- Any queries regarding the company ?

Have you cleared the round : **YES**

AREAS TO PREPARE :

- Aptitude, Verbal and Logical concepts
- Subjects studied in previous semesters especially related to Electronics
- Basic knowledge about programming languages
- Deep understanding about the projects done
- Strong Communication Skills

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- Indiabix for Aptitude
- Geeksforgeeks for C programming
- Reference books and text books mentioned in our syllabi for specific subjects

OVERALL EXPERIENCE :

The overall experience was really good. The interviewers, for both technical as well as hr round created a friendly environment so that we could calm down our nerves. The major expectation from their point of view is that we've to answer their questions in a confident manner. Thorough knowledge about our project is the most important factor in interviews. And rehearsal of self introduction also helped me to built up my confidence to a particular extent.

GENERAL TIPS :

- Practice solving aptitude problems since time management is very important and that can be developed only by practice

- Good communication skills will help us a lot during interviews
- Be honest while answering the questions. If you are not aware of a particular concept regarding which they've asked a question, admit that you're not aware about the concept rather than beating around the bush
- Never get tensed while answering. Be confident throughout the interview
- Ask them questions regarding the company to build up interaction between you and the interviewer



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	:	GOUSIGA D
ROLL NUMBER	:	17 03 072
DEPARTMENT	:	EEE
EMAIL ID	:	gousigadharmalingam@gmail.com
CONTACT NUMBER	:	74028 54006
COMPANY NAME	:	ROBERT BOSCH
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	ASSOCIATE SOFTWARE ENGINEER
SALARY (CTC)	:	5 lakh rupees
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 :

Round -1 was an aptitude round. It consists of Two sections

1. Technical

Topics covered

- a) Digital circuits
- b) Analog circuits (FET)
- c) Control system
- d) AC/DC machines
- e) LIC
- f) Network analysis
- g) Microcontrollers

2. General Aptitude

Topics covered

- a) Quantitative aptitude
- b) Verbal
- c) Logical reasoning

Be strong in your Core basics. Keep revising it periodically
For technical part referring the class notes is more than enough.
In general aptitude refer sites like Indiabix, Freshersworld, etc.

Have you cleared the round : YES

Details about Questions on 1st round:

SUBJECTS	QUESTION DOMAIN
Digital Circuits	Logic circuits Code conversion part
Analog Circuits	Find a particular value (gain, output voltage/current) In a FET circuit
Network Analysis	Find the resistance in a particular path Question on KVL, network theorems
Control system	Block diagram reduction Time response analysis

ROUND 2 :

TECHNICAL ROUND

- Be very strong about your project, explain it clearly.
- Questions may be asked beyond your resume to test your core basics, go through the basics of subjects like Machines, Data structures.
- Be well prepared in all topics mentioned in resume.
- Questions can also be from programming languages like C, C++, Python
- Generally, the questions asked are the basics of that particular subject.
- No in-depth questions were asked.

HR who interviewed me asked the following questions:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
DC machines	1. Principle of DC machines 2. Operation of DC machines	Electromagnetic Induction, and operation of Dc machines
Data structures	1. Difference between linked list and stack 2. Operations that can be performed on linked list and stack 3. General operations performed in data structure	Stack-Last In First Out Linked List – No particular criteria In linked list insertion, deletion can be done at any point whereas in stack they can be done one at top Sorting, Searching, Insertion, Deletion, Traversal
Python	1. What are tuples (Python) 2. Difference between list and tuples	Definition of tuples and list
Logical Skills	1. One logical question at last Perform any arithmetic operations between five 3's to arrive 31	$3! * 3! - 3! + (3/3) = 31$

Have you cleared the round: YES

ROUND 3:

GENERAL HR INTERVIEW

Details about Questions on 3rd round:

No technical questions were asked

- My interview started with tell me about yourself
- Explain in detail about your project
- What was your part in the project?
- What did you choose that particular domain for your project?

Here comes the real test,

- Why BOSCH
- Why BOSCH apart from academics
- What will be your contribution in BOSCH?
- Why do you think you will fit in BOSCH?

General HR is the round where real selection takes place, Be strong in your answer

Think twice before you give out any answers.

Never say “I don’t know” always come up with something related to the question

Don’t turn back on your answer.

The HR expects candidates to be strong in the communication skills

Have you cleared the round: YES

AREAS TO PREPARE:

Cover all your basics

- Digital circuits
- Analog circuits (FET)
- Control system
- AC/DC machines
- LIC
- Network analysis
- Microcontrollers
- C programming

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

- Neso academy for all electronics subjects
- Tutorials Point
- C The complete reference by Herbert Schildt
- All about electronics

APTITUDE

- India-Bix
- Freshers world

CODING

- Leetcode
- W3resource
- Geeks for geeks

OVERALL EXPERIENCE :

A very good experience, all the HR’s were very friendly they will definitely help you when you stress out yourself.

GENERAL TIPS:

Be calm and confident.

Go through about the company history, job description.

Have a good knowledge about the company’s ongoing project.

Be on open ears during the pre-placement talk.

ALL THE BEST!!:)



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : ASHWIN BALAJI S

ROLL NUMBER : 1703061

DEPARTMENT : Electrical and Electronics Engineering

EMAIL ID : sjashwinbalaji@gmail.com

CONTACT NUMBER : +91 89034 25934, +91 90801 15248

COMPANY NAME : Robert Bosch Engineering and Business Solutions Pvt Ltd

COMPANY TYPE : CORE

JOB DESIGNATION : Associate Software Engineer

SALARY (CTC) : 5 LPA

INTERN OFFERED ? : NO

BOND : NO

HAVE YOU PLACED ? : YES

COMMENTS ON SELECTION PROCESS:

ROUND 1 :

First-round consists of 60 questions (Duration: 60 minutes)

There will be two sections in it as follows,

Section I: Technical MCQ's 35 questions (Duration: 35 minutes)

- Most of the questions were from the subjects DC, AC machines, Power Electronics.
- Few questions have been asked from Digital Integrated Circuits, Zener Diode. Try to understand the effect of temperature on the Zener Diode. (Texas Instruments have also asked questions from it).
- The questions tested us how good we are at our basics.

IMPORTANT NOTE:

In the previous year, the question paper mostly consisted of questions from Digital Integrated Circuits, Embedded System Design, and basic C programming. But, this year it came out differently. What I will suggest is to freshen up the basics of all the subjects that we have learned in the second, third year.

Section II: General Aptitude 25 questions (Duration: 25 minutes)

- Aptitude questions consume more time compared to technical MCQ's, always keep track of your time.
- The questions were from quantitative aptitude, Reading comprehension, verbal reasoning (consists of encoding-decoding, finding the murderer)
- Section II also had questions from synonyms, antonyms, grammar.

Have you cleared the round: YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
DC Machines	Why a starter has to be used?	To limit the starting current
Digital Integrated Circuits	The characteristic table and the circuit diagram are given, containing inputs Q_n , A, C, and the output Q_{n+1} . In the circuits they made use of D Flip Flops, we need to find the input equation for it.	Using the characteristic table given, draw a k-map, and find Q_{n+1} . In D flip flops, $Q_{n+1} = D$.
Zener diode	They have given the details, input fed to Zener diode in ambient conditions (at 25°C), and asked us to find the voltage across it when the temperature is reached 200°C.	Find the difference temperature between required and ambient values, then find the resultant voltage due to it.
Power electronics	Which among the following is not an AC-AC converter	Odd one there given is a rectifier which used to convert AC to pulsating DC.

ROUND 2 :

They gave me a programming question to do, at the same time wanted me to answers the questions they have asked.

Have you cleared the round: YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Basic Programming	Copy the values from array A to array B	Get array A, A[i]=B[i], print B.
Operating system	GPOS vs RTOS	Round robin algorithm, based on priority.
Linear integrated circuits	ADC vs DAC, applications of them, with an example	Using a microcontroller as an example, I explained it.
Basic electronics	Relay vs transistor switching	Relays are electro-mechanical (slow operation). Transistor switching is faster but can handle only smaller currents.

ROUND 3 :

Have you cleared the round: YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
	Why BOSCH?	
	Explain yourself in a single word?	
	Why electrical engineering?	
	What you are proud of?	

AREAS TO PREPARE :

- Basics of second, third-year subjects.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- Neso academy
- Electro-boom
- All about electronics

Watch videos in these youtube channels, while preparing.

OVERALL EXPERIENCE :

- The overall experience was good. In the final round, they have asked some unexpected tricky questions.

GENERAL TIPS :

- Be confident of what you are speaking
- Learn and try to be strong in your basics.
- Try to ask some questions at the end of each interview.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : YUVARAJ K

ROLL NUMBER : 1704115

DEPARTMENT : Electronics and Communication Engineering

EMAIL ID : yuvifeb28@gmail.com

CONTACT NUMBER : 8526545043

COMPANY NAME : Robert Bosch Engineering and Business Solutions Pvt.
Ltd.

COMPANY TYPE : CORE

JOB DESIGNATION : Associate Software Engineer

SALARY (CTC) : 5,00,000 INR

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 : Technical Aptitude and General Aptitude

Area to prepare for Technical Aptitude: Analog and Digital Circuits, Microcontroller (8051), ED, Basic C programming.

For General try to answer the Questions that you know well. If you think it will take time then go to next question. Try to answer Logical Questions at last (but don't leave it too late)

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

ROUND 2 :

Round 2 is an Technical HR Round

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Microcontroller	Voltage for 8051 Shift operation	Take your time to answer by working out
C Programming	Lot of basic concepts	Refer Karthik Sir Notes to answer easily
General Problem solving		Answer confidently how will you approach the problem
ED and Digital Circuits	Basic concepts	Take few seconds to understand and then answer

ROUND 3 :

This is the Final Round. It is General HR round.

Some Questions asked about Bosch Day
Ready to answer any questions asked from Resume.
Why Bosch and Why not Higher Study

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

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

AREAS TO PREPARE :

Analog and Digital Circuits, ED, 8051 Microcontroller, C
programming.
Area of Interest
Project

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

Tutorial points Website for Core subjects
Geeks for Geeks (For C)
Class Note and Books for Core Subjects
Karthik sir notes for C Aptitude (some times useful for Technical HR)
Dr. R.S. Aggarwal book and India bix for General Aptitude

OVERALL EXPERIENCE :

It was really nice experience.
Both Technical and General HR is great and easy to interact and friendly.
Best Interview Experience one can have.

GENERAL TIPS :

Be confident while answering.

Don't hesitate to accept that you don't know the answer if you don't know the answer.

Daily practice repeatedly asked General Aptitude concepts.

Discuss with your friends regularly and share the experience with each other. It will be very helpful in facing HR.

Be prepared with your Self Intro and Your Strength and Weakness.

Be Prepared on how will you explain your project if asked. Better if practiced with friends.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : Abdullah S

ROLL NUMBER : 1704002

DEPARTMENT : ECE

EMAIL ID : abdullah.sheikdawooth@gmail.com

CONTACT NUMBER : 9629180892

COMPANY NAME : ECE

COMPANY TYPE : DREAM

JOB DESIGNATION :Associate software engineer

SALARY (CTC) : 5 L

INTERN OFFERED ? : No

BOND : No

HAVE YOU PLACED ? : Yes

COMMENTS ON SELECTION PROCESS :

ROUND 1 : ONLINE TEST

This is an online test round where 60 MCQ will be given Technical 35 and general aptitude 25. The total time in hand will be 60 mins , so it shouldn't exceed 1 minute for 1 question. Time will be the biggest factor despite the knowledge try to work out things as soon as possible . Always follow this logic – attend the questions you know first , leave behind the questions that take much time , then after finishing all the questions you are familiar with , come to the time taking ones and confusing ones. One good thing about this round is it doesn't have negative markings , so give every single question a try , if the luck favours you , you might find yourself in. Go through all your second year subject notes , they are the key for this round and about the aptitude part , just be clear with the basics of the topic enlisted below

Have you cleared the round : YES

Details about Questions on 1st round:

Technical	Aptitude
<ul style="list-style-type: none">• Digital circuits• Microprocessors(8086)• Microcontrollers(8051)• Linear integrated circuits• Circuit theory• Principles of communication• Electronic circuits	<ul style="list-style-type: none">• Permutation• Probability• Time and work• Pipe• Distance and speed• Train related• Boat related• Arithmetic and geometric progression• Clock• Calendar• Ratio• Mixture and allegation• Average• Percentage

ROUND 2 : TECHNICAL HR

This is a technical round where the hr is going to test you on your technical skills. First she asked me to introduce myself and coming about the introduce myself part , tell them what's not in your resume. Answer questions like what do you like about yourself, what others like in you , how you motivate yourself when you are down, why engineering , why ECE, what drives you in life . Then comes the questions , they ask maximum of 10-15 technical questions in different domains. My questions are as listed,

- Difference between Microprocessor and Micro controller
- Do you know C , C++,C#
- Have you worked in Embedded domain
- Tell me about your project
- What's the use of Gyroscope (it's a sensor we used in our project)
- Why are transistors so important
- I had listed Machine learning in my area of interests, so I was asked what's supervised learning
- Difference between Supervised and Un-supervised learning
- Practical application of supervised and unsupervised learning

- Have you done any certified course in Machine Learning
- What is a Multiplexer
- What are select lines
- Write a C-program for a Multiplexer with 2 select lines (Wrote it using switch case)
- Difference between task and process
- Why leaves are green in colour (Just to see how I respond to it)
- What is a low pass filter
- Explain the working of low pass filter (I explained in embedded terms by taking about LM7805)

Be thorough in your technical subjects , go through your mini-project report before hand, be confident .

Have you cleared the round : YES

ROUND 3 : GENERAL HR

- Why Bosch
- Why core-companies and not IT sector
- Your recent achievements
- Define yourself in a single word
- How was your day
- What questions in the previous round did you lag behind and did you find the answers for them

Have you cleared the round : YES

As a whole this round is just icing on cake for those who are good at speaking boldly and frankly. Being frank and being honest is the key thing they expect , instead of just answering their questions , try to establish a connection between them.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- Only class notes
- Tutorials point
- Go through all the previous year asked technical round questions

OVERALL EXPERIENCE : It was a good experience.

GENERAL TIPS :

- Second year subjects are the key to Bosch
- Microcontrollers and microprocessors, if you know these two subjects thoroughly , this can negotiate for the topics you lack knowledge in.
- Never try to act too smart by telling a lot of things, they ask you question not just so you could answer but to derive another question from the answer you give.
- Don't fake things like , “ Bosch is everything to me “,” since my birth I wanted to be in Bosch “, “ I studied so hard for Bosch” .We all know what's true and what's not , be frank, be honest.
- If you're reading this point , ALL THE BEST , always remember one thing , “ Its just an interview , not the end of your life”.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : Ashwini S

ROLL NUMBER : 1704007

DEPARTMENT : Electronics and Communication Engineering

EMAIL ID : ashwinisankar16@gmail.com

CONTACT NUMBER : 9629258581

COMPANY NAME : Robert Bosch Engineering and Business Solution Pvt. Ltd.

COMPANY TYPE : CORE

JOB DESIGNATION : Associate Software Engineer

SALARY (CTC) : 5,00,000 INR

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

- The Online test consist of two sections with 35 Technical questions and 25 aptitude questions . All the questions were MCQ based.
- Test duration – 1 hour
- Technical questions were from the following areas
Analog circuits, Digital Circuits, Control systems, 8086 Microprocessor-Basic instructions of assembly language programming, 8051 Microcontroller – commonly used instructions of assembly language, VLSI, Real time operating systems, C programming (find the output).
- There was time limit for each section.
- Time management is the main aspect that must be taken care.

Have you cleared the round : YES

ROUND 2 : TECHNICAL INTERVIEW

- First, the HR asked me to introduce myself
- He asked me to explain the projects that I have mentioned in my resume
- Be very clear while explaining your project. Questions from the HR will be mostly from the technical terms you mention while explaining your project. Have a depth knowledge in your project.
- Also, while explaining your projects mention all the challenges you faced and how those problems were solved
- He asked few questions on my area of interest
- What is the domain I'm interested in working with?
- Be confident while interacting with the interviewer
- He asked me if I have any questions for him

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Projects	Explain the projects done? How and why did you select each and every components with certain specification?	
Analog Electronics	What is MOSFET, Why it is used and mention its application	
Embedded systems	Questions on communication protocols like SPI, I2C, UART, USB	
Digital Electronics	Some basic questions from combinational and sequential circuits	

ROUND 3 : GENERAL HR INTERVIEW

- HR asked me to explain about my journey from schooling till now. While answering this question, mention all your achievements, challenges faced and how you overcame those throughout the journey
- He asked about my family background
- He asked me to explain the projects I have done. Why was those projects preferred, what are the real time benefits of these projects and what is my contribution in those projects.
- Why Bosch?
- He asked about my co-curricular and extra-curricular activities
- Bosch is working on various domains. What is the specific domain I'm interested in Bosch and why?
- He asked if I have any question for him
- The attitude you possess plays a major role

Have you cleared the round : YES

AREAS TO PREPARE :

- General Aptitude, C Programming
- Basics of Analog circuits, Digital circuits, Control systems, 8086 Microprocessor, 8051 Microcontroller, Embedded systems
- Be very clear about the projects done
- Area of Interest

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- Digital Circuits (Tutorialspoint, Javatpoint)
- Analog Circuits – After learning the basic concepts, solve MCQs from sanfoundry website for better understanding
- For General Aptitude refer Feel free to learn Youtube channel for learning concepts and solve questions from hitbullseye website
- Programming (Geeksforgeeks, W3resources, Javatpoint)

OVERALL EXPERIENCE :

Day 1, We had Pre- Placement talk. Alumni interaction about the worklife in Bosch was really motivating. Day 2, we had online test. The questions were from easy to moderate level. Time management while attending the test was the critical part. You have to recollect concepts from various domains. Both , the technical interview and HR interview was conducted on Day 3. The Overall experience was great.

GENERAL TIPS :

- Prepare general aptitude, concepts of core subjects, programming languages in prior and practice regularly
- Since, it's an online process I faced some network issues during the start of online test and also there was a sudden change in the interview timings. Don't get stressed during these situations
- Keep your mind relaxed throughout the process
- Be confident and have a smile while interacting with the interviewer
- Be on time for the interview



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : G. Divya Preetha

ROLL NUMBER : 1704012

DEPARTMENT : Electronics and Communication Engineering

EMAIL ID : divyahema36@gmail.com

CONTACT NUMBER : 9789323025

COMPANY NAME : ROBERT BOSCH ENGINEERING AND BUSINESS
SOLUTIONS PVT.LTD.

COMPANY TYPE : CORE

JOB DESIGNATION : Associate Software Engineer

SALARY (CTC) : 5,00,000 INR

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 : Online Assessment Test

It had 2 sections for a total of 60 minutes

1. Technical aptitude : 35 questions for 35 minutes. Questions are asked from basics of Digital Circuits, Analog electronics, Control Systems, Microprocessors, Microcontrollers, Real Time Operating Systems, C programming.
2. Quantitative Aptitude : 25 questions for 25 minutes. This section includes questions from Profit and loss, Time and Work, Alligations and mixtures, Permutations and Combinations, Number systems, calendar. In logical reasoning, topics like blood relations, coding and decoding, directions were asked. In verbal sections, synonyms, reading comprehension questions were asked.

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Digital Circuits	Simplification of Boolean Algebra Which expression among the options results in the output Y	There will be only a little difference in the options. Knowing about the boolean laws will help in solving the expression
Digital Circuits	Flip flops Finding out the next state expression of the logic diagram constructed using flipflops	Check if the logic diagram looks like any of the basic flipflop. If so, answer is the next state expression of the flipflop
Microcontrollers	ALP Programming An ALP Program for multiplication of numbers was given. What is the value of registers after computation	Multiplication of numbers can be done. Concentrate on the higher byte and the lower byte values and the registers.
Analog Electronics	Finding the resistor value when energy dissipated for certain amount of time and voltage are given	Substitution of values in $E = VIT$ and $V = IR$ would result in the answer

ROUND 2: TECHNICAL HR INTERVIEW

The interview went on for about 30 minutes. First of all, I was asked to introduce about myself. The interviewer then questioned on the subjects of area of interest i.e. Digital Circuits and Control Systems. Then focus was on Mini Project that was completed. Explaining about the project to the core i.e. domain in which work was carried out, softwares used would create a great impact. The interviewer asked for any of the certifications completed. Certification on Python and basic knowledge on German language added an extra advantage. Finally, a chance was given to ask questions to the interviewer.

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Digital Circuits	Explain about SR flipflop	Explained on how SR flipflop can be constructed i.e by using which gates followed by the difference in SR latch and SR flip flop
MiniProject	Add some more light on the softwares used	Explained about the user interface/ environment of the software used

ROUND 3 : GENERAL HR INTERVIEW

General HR interview went for about 20 minutes. The interviewer concentrated on both extra curricular and co-curricular activities. Answering to all the questions truly and in my own perspective helped me in creating a good impression. Whenever given a chance to ask questions to the interviewer, I asked questions about the company and their role in the organisation. Finally, I asked for a feedback about me. That was a positive response from the HR and added some advice for my career.

Have you cleared the round : YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
	Why BOSCH ?	Explain all the fascinating ideas what you know about BOSCH.
	Why did you choose CIT and what is one thing that you like about CIT?	Answers all these questions truly. You can also include your change from school to college
	Explain about the Miniproject that has been done	Be clear in the way why you chose the project. That is how they test you in problem solving skill
	Why did you give much importance to studies?	Explain your thoughts about education

AREAS TO PREPARE :

1. Digital Circuits
2. Analog Electronics
3. Microcontrollers
4. Microprocessors
5. Control Systems
6. Quantitative and verbal ability

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

1. Microcontrollers : Book by Muhammad Ali Mazidi
2. Digital Circuits : Book by Morris Mano
3. Indiabix
4. Testpot website for attending mocktest

OVERALL EXPERIENCE :

Clearing the first round was challenging because all the questions must be solved quickly because of limited time duration. In both the interviews, the panel members were friendly and the questions were only from the basics of the area of interest mentioned and the miniproject. Overall the whole process took place smoothly.

GENERAL TIPS :

1. Cover the basics of the core subjects.
2. Be strong on the projects done.
3. Give equal weightage of learning for verbal ability as given to quants.
4. Be more confident while answering questions to the interviewer.
5. Ask questions to the interviewer while they give you a chance.
6. Practice aptitude questions to solve quickly.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	:	AMUTHA R
ROLL NUMBER	:	1704056
DEPARTMENT	:	ECE
EMAIL ID	:	amuthaece17@gmail.com
CONTACT NUMBER	:	7904975502
COMPANY NAME	:	Robert Bosch
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	Associate Software Engineer
SALARY (CTC)	:	5L
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(1 HOUR): **NO NEGATIVE MARKING**

SECTION 1: TECHNICAL APTITUDE(35 QUE-35 MIN)

SECTION 2: NUMERICAL AND VERBAL APTITUDE(25 QUE-25 MIN)

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
TECHNICAL	ANALOG ELECTRONICS (DIODE BASED QUESTIONS), REAL TIME OS(BASICS), CONCEPTS OF STABILITY IN CONTROL SYSTEM, BASIC C (PREDICT THE OUTPUT), DIGITAL CIRCUITS (ENTIRE SYLLABUS REVISAL IS RECOMMENDED),BASIC ELECTRONICS	
	MICROPROCESSOR(8086),MICROCONTROLLER(8051) (MAINLY USING INSTRUCTION SET-WHAT WILL BE THE OUTPUT AFTER CERTAIN INSTRUCTIONS HAS EXECUTED)	
NUMERICAL	TIME AND WORK, PROBABILITY, PERMUTATION, COMBINATION, SIMPLE AND COMPUND INTEREST	
VERBAL	READ THE PASSAGE AND ANSWER, DIRECTIONS BASED QUE, SYNONYMS, GRAMMAR-ADJECTIVE, ADVERBS (CHOOSE THE RIGHT WORD THAT WOULD BE GRAMATICALLY CORRECT)	

ROUND 2 : TECHNICAL INTERVIEW IN HIREPRO PLATFORM

LASTED FOR 45-50 MINS

STARTED WITH SELF INTRODUCTION

QUESTIONS WERE MAINLY ON **PROJECTS MENTIONED IN RESUME** (HAVE A THOROUGH KNOWLEDGE ON IT) IF YOU HAVE MENTIONED PROJECTS OTHER THAN MINI PROJECT IN YOUR RESUME,KINDLY CONCENTRATE ON THAT TOO,DON'T RELY ONLY ON MINI PROJECT.

QUESTIONS WERE FROM **SUBJECTS MENTIONED IN AREA OF INTEREST** WHICH COULD BE EASILY ANSWERED.

C PROGRAMMING : POINTERS,ARRAYS,FUNCTIONS,FOR LOOPS,INCREMENT AND DECREMENT OPERATORS

MISCELLANEOUS: HAVE A VERY BASIC KNOWLEDGE OF AUTOMOTIVES(SINCE BOSCH IS LEADING IN AUTOMOTIVE DOMAIN)

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
C PROGRAMMING	<ol style="list-style-type: none">1. DIFFERENCE BETWEEN CONSTANT POINTER AND POINTER TO CONSTANT INTEGER AND HOW YOU WILL DEFINE.2. INITIALIZE AN ARRAY WITH 0,GET VALUE OF ARRAY FROM USER,PASS THE ARRAY THROUGH A FUNCTION AND FIND THE MAXIMUM VALUE OF ARRAY AND RETURN THE ANSWER3. VOLATILE KEYWORD AND ITS USES,BREAK AND CONTINUE4. FOR LOOP INITIALIZATION(WHAT IS THE DIFFERENCE BETWEEN USING PRE INCREMENT/DECREMENT AND POST INCREMENT/DECREMENT IN INCREMENT PORTION OF INITIALIZATION)	
AUTOMOTIVE	<ol style="list-style-type: none">1.DIFFERENCE BETWEEN PETROL AND DIESEL ENGINE2.COMBUSTION AND IGNITION (NOT MUCH IMPORTANT BUT HAVE A BASIC KNOWLEDGE)	
EMBEDDED	WHAT IS INTERRUPTS, INTERRUPT LATENCY, WATCHDOG TIMER, RAM, ROM	

ROUND 3 :GENERAL HR

LASTED FOR 15-20 MINS

STARTED WITH SELF INTRO AND INTERVIEWER ASKED THE FEEDBACK ABOUT THE TECHNICAL INTERVIEW

YOUR ROLE IN PROJECT, ACHIEVEMENTS, HOBBIES, ABOUT FAMILY, WHY BOSCH, INTERESTED IN DOING MASTERS OR NOT .

(THIS ROUND IS ONLY TO TEST YOUR COMMUNICATION SKILL AND YOUR PRESENCE OF MIND)

Have you cleared the round : YES

AREAS TO PREPARE :

SUBJECTS MENTIONED IN AREA OF INTEREST
PROJECTS MENTIONED

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- 1.NESO ACADEMY (FOR TECHNICAL AND C LANGUAGE PREPARATION)
- 2.R.S. AGARWAL (FOR APTITUDE)
- 3.INDIABIX (APTITUDE AND TECHNICAL)

OVERALL EXPERIENCE :

IT WAS A VERY GOOD EXPERIENCE.IN BEGINNING I FELT SO NERVOUS BUT THE INTERVIEWERS WERE VERY FRIENDLY AND IT WAS LIKE A NORMAL CONVERSATION AFTER FEW MINUTES.

GENERAL TIPS :

1. STUDY THE CONCEPTS WITH MORE UNDERSTANDING AND ITS WORKING.
2. BE WELL VERSED WITH THE PROJECTS MENTIONED IN RESUME
3. IF U ARE NOT SURE WITH THE ANSWER, INITIATE UR VIEWS AND THE ANSWER YOU KNOW ABOUT THE QUESTION AND THE INTERVIEWER WILL HELP YOU OUT TO REACH THE ANSWER.
4. IF U DON'T HAVE ANY KNOWLEDGE ON THE QUESTION ASKED, KINDLY ACCEPT IT AND SAY I AM NOT AWARE MUCH ABOUT IT AS OF NOW BUT I WILL LEARN THOSE CONCEPTS VERY SOON.(DO THIS ONLY WHEN QUE WERE ASKED APART FROM THE THINGS MENTIONED IN RESUME)
5. GIVE UR ANSWERS RELEVANT ONLY TO THE QUESTION ASKED.DONT GIVE IRRELEVANT/ADDITIONAL ANSWERS, BCX FURTHER QUE WOULD BE ASKED FROM THE ANSWERS YOU SAY.
6. BE CONFIDENT WITH YOUR ANSWERS
7. MAKE IT AS AN INTERACTIVE SESSION RATHER THAN A Q&A SESSION



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	:	GAYATHRI R
ROLL NUMBER	:	1704069
DEPARTMENT	:	B.E.ECE
EMAIL ID	:	gayathriraj987@gmail.com
CONTACT NUMBER	:	9790779575
COMPANY NAME	:	ROBERT BOSCH
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	ASSOCIATE SOFTWARE ENGINEER
SALARY (CTC)	:	5 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 APTITUDE TEST

- Online Aptitude Test conducted through **HIREPRO** Platform. (**NO Negative Marking**)
- Duration : 1 HR
- Section 1 : Technical Aptitude (35 Questions – 35 minutes)
- Section 2 : General Aptitude (25 Questions – 25 minutes)

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
TECHNICAL	1.Digital Circuits 2.Control Systems 3.8086 Microprocessor, 8051 Microcontroller (Instruction set output questions) 4. Electronic Devices 5.Real Time Operating Systems basics 6.C program output questions	
QUANTITATIVE	1.Probability, Permutations & Combinations 2.Time and Work 3.Alligation & Mixture 4. Time & Distance 5.Average	
LOGICAL	1.Blood Relation 2.Directions 3.Coding Decoding	
ENGLISH	1.Reading Comprehension 2.Synonyms 3.Grammar (Adjective, Adverb etc.)	

ROUND 2 : TECHNICAL INTERVIEW

- It was conducted for 1 hour.
- Initially asked to introduce myself. (questioned me on my roles and responsibilities)
- Asked questions from my **area of interest** (C programming, basic data structure questions)
- Basic **Microcontroller, Microprocessor** questions (Real life applications)
- Asked to solve a puzzle.
- **C Programming** : Asked questions from
 1. Structures, Unions
 2. Storage Classes
 3. Pre processor Directives
 4. Bitwise Logical operators
 5. Use of pointers
 6. Linked list applications
 7. Volatile, const keywords

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
C programming	1.What is Structure and state difference between structure and Union?	
	2. Applications of structure.	Linked list.
	3. Explain the logic of Fibonacci series program.	
	4.Explain about the storage classes. What is the purpose of static and extern storage classes?	Compare static & extern classes using examples to clearly explain the difference.
	5. What is # define? Why it is used? Why #include is used in programs?	# define – Macros # include – File Inclusion
	6. How we can multiply and divide numbers by 2 without using * and / operators in C ?	We can multiply using left shift operator & divide using right shift operator.
	7.When long int and long long int datatypes should be used?	
	8.What is volatile and const keywords in C? Can we use const together with static keyword?	
Microcontroller, Microprocessor	1.Difference between controller & processor.	
	2.Give some real life applications where controller and processor would be used?	
	3.What is the use of registers in memory?	
Puzzle Solving	Weighing 9 balls puzzle : You have 9 balls, equally big, equally heavy - except for one, which is a little heavier. How would you identify the heavier ball if you could use a pair of balance scales only twice?	<p>Divide the 9 balls into 3 groups of 3. Compare the weight of two of those groups.</p> <p>The heavier group should then be obvious, it will either tip the scales, or, if the scales stay balanced, then it is the group you didn't include.</p> <p>Now, choose 2 balls from this group and compare their weights, and using the same logic as before, the heavier ball will be obvious.</p>

ROUND 3 : GENERAL HR

- It was conducted for **10-15 minutes**.
- Asked about my feedback for the Technical Interview.
- Asked to introduce myself and asked to explain my project.
- General questions were asked just to check our communication skills and analyse our attitude.

Have you cleared the round : YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
GENERAL	1.HR asked to share my feedback about previous Technical Interview experience.	
	2.Introduce myself and asked about my family background too.	
	3.Explain about the mini project and my part in it.	
	4.What are the domains I would like to work on for projects?	
	5.Asked whether I will do higher studies or not?	
	6.Why BOSCH?	

AREAS TO PREPARE :

- DIGITAL CIRCUITS
- MICROCONTROLLER, MICROPROCESSOR
- ELECTRONIC DEVICES
- CONTROL SYSTEMS
- C PROGRAMMING CONCEPTS

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- NESO ACADEMY - <https://www.youtube.com/user/nesoacademy/featured>
- TUTORIALS POINT

OVERALL EXPERIENCE :

- The interview experience was very good.
- The process was conducted in a smooth manner with no issues.
- During the Technical interview, the HR was very friendly and helped me a lot to come up with the correct answers.
- The conversation was very interactive with the HR since they were friendly with us.

GENERAL TIPS :

- During the interview, try to answer the questions confidently if you are very sure about your answers.
- Don't be nervous while facing the HR. Try to speak to them without nervousness and answer the questions boldly.
- Try to develop a healthy conversation instead of taking it as just QA session.
- Explain the flow of projects in an orderly manner such that they understand it clearly.
- Try to explain your strength and weakness, soft skills etc. by sharing your life experiences which sounds good.



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : A. MOHAN

ROLL NUMBER :1804207

DEPARTMENT : BE.ECE

EMAIL ID : hashincludfun.h@gmail.com

CONTACT NUMBER :8760668440

COMPANY NAME : ROBERT BOSCH

COMPANY TYPE : CORE

JOB DESIGNATION : Associate Software Engineer

SALARY (CTC) : 5,00,000 INR

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: Technical and aptitude test (35 and 25 questions with No negative marking and also there was individual cut-off for each section). Total time for this round was 60min.

TECHNICAL TOPICS	GENERAL APTITUDE (Frequently asked)
<ul style="list-style-type: none">• Digital Circuits (Must)• Analog Circuits (Must)• Linear Integrated Circuits (Must)• Control systems• Network theory• Microcontroller and Microprocessor (even 8051 instruction set)• Basic Communication Principles	<ul style="list-style-type: none">• Permutation• Probability• Time and work• Pipe• Distance and speed• Train related• Boat related• Arithmetic and geometric progression• Clock• Calendar• Ratio• Mixture and allegation• Average• Percentage

Have you cleared the round: YES

ROUND 2: Most of the questions were asked from my resume. But he wanted to know that how I implemented my mini project. Also have questions from circuit interfacing, programming, problems faced and their solutions. Mostly questions were asked from digital electronics, analog circuits and some tricky question about daily electrical and electronics appliances etc. Some questions are:

(The questions below asked on the basis of my resume)

- Difference between c programming and Embedded c programming
- What is ISR
- Can we pass any arguments in ISR
- What is interrupt latency
- What is SPI and their significance
- What is I2C and how many slaves are able to interface with I2C
- CAN protocol and their basic terminologies
- Nomenclature in PIC microcontroller
- PCB designing process
- Storage classes in C language
- Volatile keyword in programming
- Some real time situation handling techniques

Have you cleared the round : YES

ROUND 3: This is General HR round.

Questions asked by HR were

- Tell me about yourself
- Family background (what does your father do? what does your mother do? etc)
- Why Bosch?
- My education journey from Schooling to Engineering.
- What are your plans for higher studies?

Have you cleared the round: YES

AREAS TO PREPARE:

- Digital Circuits
- Analog Circuits
- Linear Integrated Circuits
- Control systems
- Network theory
- Microcontroller and Microprocessor
- Strong C programming

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- Neso Academy (YOUTUBE)
- All About Electronics (YOUTUBE)
- Hackerank (CODING PLATFORM)
- Leetcode (CODING PLATFORM)
- Class notes from 3rd semester (This include all the subject mentioned in Area to prepare)
- India Bix (WEBSITE)
- RS Agarwal Aptitude book (BOOK)

OVERALL EXPERIENCE: Very Good

GENERAL TIPS: Be strong in Mini projects (Nook and Corner). Try to cover all topic as I mentioned above.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : B.Jeevanandan

ROLL NUMBER : 1707023

DEPARTMENT : Information Technology

EMAIL ID : jeevanandanbalaji1114@gmail.com

CONTACT NUMBER : +91-9786133825

COMPANY NAME : Robert Bosch Engineering & Business Solutions Pvt. Ltd

COMPANY TYPE : CORE

JOB DESIGNATION : Associate Software Engineer

SALARY (CTC) : 5,00,000 INR

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 :Aptitude and coding

Round 1 is aptitude and for cs and IT department coding section also included .

Time allocation:

When comes to Time allocation aptitude section was given one hour time limit and half an hour exclusively for coding.

Complexity:

Aptitude were medium level Questions and coding with beginner level Question.

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
General aptitude with technical part	Question from logical reasoning , quantitative aptitude,verbal,and etc. Questions from core subjects given.	As comfortable with technical part ,starts with that
General coding question in Strings	For the Given mail address ,mail Id should be displayed along with character count appended to that. For example, Example 1: Input : fundamental@gmail.com Output: fundamental11 Example 2: Input : robert@bosch.com Output: robert6	Language used :c++ Got input as String named Input and used an integer counter initialized with zero named count. By using Range -based for loop of character type, appended character to a string named output which is initialized as null,mean while counter is incremented .loop is set with termination condition as when @ character is encountered the loop get terminated. The integer counter is converted to string and appended to output string and printed Time complexity :O(n), n -length of mail Id Space complexity:O(1)
General coding in Strings	For the given String str1 ,the output string str2 should be like character in string is appended with its frequency next to it. For example, Example 1: Input : abcdaaefcb Output : a3b2c2d1e1f1 Example 2: Input : lmbtmljej Output : l2m2b1t1j2e1	Language used:C++ Input is taken as string . 2d vector is used to perform map operation like character value is stored in first column and frequency count in second column .if character is already present in vector its value gets incremented ,if not, gets added to vector.finally vector is printed . Time complexity:O(n) Space complexity:O(n)

ROUND 2 :Technical interview

This Technical interview is much focused on evaluating knowledge on my area of interest and programming knowledge.

Interview process time: interview process lasts more than 100 minutes.

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Question from projects	Explain your projects.	Interviewer wants me to explain my projects ,I mentioned three projects that I have done.me and interviewer discussed about all three projects ,way of approach ,technology used ,scope in future.
Programming language	What are the programming languages you know and which programming language is comfortable for you?	I told what are programming languages known and said I am comfortable with c++ programming language with justification.
Compiler design	Explain how compiler works. Purpose of linker. What is executable file,where you use. What are all the compiler you used.	As I know few compiler,asked for which compiler to deal with and decided to explain c++ compiler and explained how compiler work with a code.
Coding concepts	Pointer based coding question were given. Example,swap number using pointers. Different data types and its uses. Structure vs array. Explain enumeration.	By explaining concept ,did code for those questions.
Automation	Why do we need automation. Which programming language is best suited for automation,why. How much do you know python	It was like ,evaluating python programming skills. I told the need for automation with an example and answered python will be best suited for automation.
Certification	Why you did those certification ? What are the concepts you learned from certification?	Explained my personal interest in a specific domain and reason for doing those certification. And concepts were explained
Situation handling	Few situation were given and asked me what you will do in your point of view.	Justification given

Interest with Robert Bosch	Why Robert Bosch?	Expressed my interest in joining Robert Bosch by rightly pointing to the key benefits.
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ROUND 3 : General HR

General HR round is mainly focused on communication skills and situation handling.

Have you cleared the round : YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION
Projects	Explain your project . Why you choose this project. Explain the process.
General question	Why CIT? What is your role in your project? Question asked related to home towns. Why certification? Will you go for higher studies? Any question you want to ask ?

AREAS TO PREPARE :

- General aptitude.
- Operating systems.
- Computer networks.
- Coding /programming.
- Language specific knowledge.
- Communication skills.

OVERALL EXPERIENCE :

Overall experience is like adventure had a very Good experience ,both technical and general HR round ,interact in such a way that we can express over thoughts easily.

GENERAL TIPS :

- Have to be clear what we include in resume.
- Should able to answer/ justify to the question asked based on resume details.
- It's not advisable to include thing you don't know/clear with concepts ,just for the sake of covering resume.
- Interact as much as possible.
- If you don't know answer for a particular question.justify it .
- Depending upon your area of interest prepare for interview.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	:	T.BHAVATARINI
ROLL NUMBER	:	1707008
DEPARTMENT	:	B.TECH (IT)
EMAIL ID	:	t.bhavatarini@gmail.com
CONTACT NUMBER	:	8778513392
COMPANY NAME	:	ROBERT BOSCH
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	ASSOCIATE SOFTWARE ENGINEER
SALARY (CTC)	:	5,00,000 INR
INTERN OFFERED ?	:	NO
BOND	:	NO
HAVE YOU PLACED ?	:	YES

COMMENTS ON SELECTION PROCESS :

ROUND 1 : ONLINE TEST

The online test had three section

- The first section had 35 questions of technical aptitude (**35 min**).
- The second section was 25 questions of general aptitude and verbal (**25 min**).
- The third section had 2 coding questions (**30 min**).

The total time was **1:30 minutes**.

The questions were easy there was no negative marks, you can easily solve the coding section if you work on very basic coding questions. The coding sections were only for IT and CS.

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
General Aptitude	Speed distance and time, Average, Percentage, Relationship, Alligation and mixtures.	-
Verbal	Synonyms, Ordering the sentences, Comprehension , fill in with correct word.	-
Technical Aptitude	Ds, Dbms simple queries, C and C++ predict the output, Networks and from Microprocessors.	-
Coding	1) Given an Email Id print only the user name with the number of letters INPUT : cithostel@gmail.com OUTPUT : cithostel9 2) Print the character along with it number of occurrence INPUT : aabbdddc OUTPUT : a2b2d3c1	1) I just printed the characters till '@' and counted the letters in the same loop and printed the count at last. 2) I Used Hash map to solve this.

ROUND 2 : TECHNICAL INTERVIEW

- This round lasted for 30 minutes.
- The interviewer asked me to introduce about myself.
- Then she asked everything about my project.
- Then she asked me to explain the coin change problem.
- Some questions like why do you like DS and DBMS since I mentioned them as my area of interest.
- Then she asked whether I have any questions for her , I asked her about the daily routine at Bosch.

The interviewer was very friendly, be clear in your projects and your area of interest.

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Project	After the self intro she asked me to explain my project. Then she asked me the algorithms I have used in the project along with their respective libraries/packages.	I first explained the algorithm with general example and then I have explained how it works with my project.
Coin change problem	Given a amount and a set of coins you have to make change for that amount with number of coins as minimum.	I tried solving with the Dynamic Programming Approach.

ROUND 3 : GENERAL HR

- This round lasted for about 20 mintues.
- It was totally about me.
- She asked me about my native.
- She asked me about my strength and weakness.
- Why IT?
- The things we do in our clubs.

Have you cleared the round : YES

AREAS TO PREPARE :

- Focus mainly on the aptitude and basic coding questions to clear the first round.
- Be strong in your area of interest and in your projects.
- Be strong in sql basics.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- Aptitude – Freshers World (Youtube channel) , Career Ride (Youtube Channel), India Bix.
- Coding – Geeks for Geeks (Practice for cracking any coding interview) – It has section by section coding from basic to hard questions.
- SQL – W3Schools, Hackerrank.

OVERALL EXPERIENCE :

- The interviewers were very friendly and they made me comfortable before starting the questions.
- We can easily clear the rounds if we are strong in basic with basic communication skills with which we can make them understand our answer clearly.

GENERAL TIPS :

- Any interview process is just a thrilling one, be calm don't get tensed the interviewer will surely make you comfortable before starting the questions.
- Be prepared in "Introduce about yourself", as it makes the first impression about you.
- Say the answer only you are very sure about it, or else use the phrase like I will try to answer, if you don't know anything about that question just say you don't know.
- Try to answer any questions with an example.
- Be calm and confident in answering the questions whether it is right or wrong.