PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME : SATHISHRAJA J

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COMPANY NAME : SOLITON TECHNOLOGIES

COMPANY TYPE : CORE

JOB DESIGNATION : PROJECT ENGINEER

SALARY (CTC) : 5-6 LPA

INTERN OFFERED ? : YES

BOND : NIL

HAVE YOU PLACED ? : YES

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

COMMENTS ON SELECTION PROCESS :

ROUND 1 : Aptitude test

No of questions : 25
Duration   : 60 mins

- Questions were from basic mathematics, time & distance, permutations &combinations, probability, 11th and 12th physics, Output prediction in C.

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

ROUND 2 : Programming round

No of questions : 5
Duration   : 45 mins

- Questions were from looping concepts, arrays, strings and structures.
- Difficulty level : medium.

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

ROUND 3 : Written Test

No of questions : 11
Duration   :   One hour

- Questions from 11th&12th physics, mensuration concepts, basic circuit theory, logic gates and C programming output prediction(Arrays, strings and Pointers).
- All were written type questions. We need to give solutions in detail.

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

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

ROUND 4 : Advanced coding

Have you cleared the round : YES

Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

Looping	To print the nearest jumping number which is lesser than the given input.
	(Jumping number is defined as the number whose adjacent digits are varied by one only.)
	
	1.Sample input 2. Sample input
	  100 6700
	  Output Output
	   98 6567
		Loop over the input and do number crunching with optimal condition statements.

String	To print the least possible substring of string1 which has all the characters from string2(irrespective of order).
	
	1.Sample input 2.Sample input
	  Str1 : Solitontechnologies Str1 : Technology
	  Str2 : Sn Str2 : lon
	  Output Output
	  Soliton nol
		Run a loop for each substring of str1 for the length len2,until (len1-1).
		If no substring of str1 has found with all the characters of str2,increment len2 and repeat the same procedure till the match found.

Two dimensional arrays	Get a 2-d array(only of 0s and 1s) and destination row and column values(m,n) from the user, find the	Obtained a logic using recursion.

shortest possible number of moves required to attain the point (m,n) from (1,1). Movements may be up, down ,right or left. But not cross. Movements are possible only through the points with value 1. 1.<u>Sample input</u> 2.<u>Sample input</u> 1 0 0 1 1 0 0 1 1 1 0 1 1 0 0 1 0 1 1 0 1 0 1 0 3 3 3 3 Output : Output : 4 not possible	

ROUND 5: Technical HR

- Question were asked about mini project and main project.
- They asked to draw the block diagram and circuit diagram of my project and to explain the operation in detail.

Have you cleared the round : YES

ROUND 6: General HR

- Family background, Area of interest, Why Soliton.
- Some questions were from the way we used to answer the questions in written test(Round3).

Have you cleared the round : YES

ROUND 7: Essay writing

- Ambition in life
- Career plans for the next five years
- What will you do for Soliton? What you want to Soliton do for you?

Have you cleared the round : YES

ROUND 8 : Technical design round

- They asked to design a "DIGITAL COMMUNICATION PROTOCOL".
- They insisted all the students went for this round to discuss their points among them. Then, we need to design a logical model by our own.

Have you cleared the round : YES

AREAS TO PREPARE :

1. C programming(Arrays, strings and pointers).
2. Well knowledge in Mini project and main project.
3. Basic core knowledge(Machines, circuit theory and power electronics).

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

- Hacker earth, hacker rank and leet code for coding.
- Geeksforgeeks for coding output predictions.
- Feel free to learn, careerride , R.S. Agarwal to learn aptitude.
- Faceprep,prepinsta and indiabix to practice aptitude.
- Class notes for machines, power electronics, circuit theory, and DIC.
- 11th and 12th physics to crack written round.

OVERALL EXPERIENCE :

- Excellent HR team
- The entire process is damn smooth

GENERAL TIPS :

- Enhance the logic thinking ability in programming.
- Have sound knowledge in projects and core basics.
- Be confident and maintain discipline. They had checked our behaviour throughout the process.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

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COMPANY NAME	:	SOLITON TECHNOLOGIES
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	PROJECT ENGINEER
SALARY (CTC)	:	5-6 LPA
INTERN OFFERED ?	:	YES
BOND	:	NIL
HAVE YOU PLACED ?	:	YES

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

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

ONLINE APTITUDE
- Consist of three sections. Apti-12, Technical-12, Coding-6.
- Technical questions were from physics
- General Aptitude and Programming questions.

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
General Aptitude		
Technical	Questions from 11th std Physics (Kinematics, Power, Energy, Circuits, Electromagnetic theory)	
Coding	Array, Pointers, Strings, Structures	

ROUND 2 :

ONLINE PROGRAMMING ROUND
- Five programs to be solved in 45 minutes
- Only after solving a question you can enter the next question
- Time management is important.
- Few questions were asked to solve only in C, so C is mandatory

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

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Programming	Maximum subarray sum, Discount based program, Structure, Strings based questions were asked.	

ROUND 3 :
WRITTEN TEST

- There were 11 questions 3 from C, 2 from basic maths, 1 from
  Digital Circuits, 6 from physics. Steps for the solutions is important.
  Even if you haven't solved, the way you approach will be monitored.

Have you cleared the round : YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Physics and Maths	Questions from Kinematics, Energy, Power, Electromagnetic theory, Current Electricity And from maths	Go through the basics
Programs	C program or flowchart will be given for which Output will be asked.	Arrays,Strings,Loops

ROUND 4 :

PROGRAMMING

Coding questions will be given. You must solve only in **Turbo C++.** So,
Knowledge of C/C++ is mandatory. The way you approach is important. You
will have enough time

Have you cleared the round : YES

Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
C Programming	To find whether the given number is jumping number if not find the nearby lowest jumping number. Eg.3454(a number which differs one from its successive digits).	Traversing from the number and find the difference bw them
	To find the smallest substring that contains the second string. Eg. S1=SolitonTechnologies S2=lon Op = nol	

ROUND 5:

GENERAL HR

It lasted for about 5 minutes.

- Questions about family background, Why soliton ?, Areas of interest will be asked.
- Be genuine.
- Attitude is important

ROUND 6:

It lasted for about 15 minutes.

TECHNICAL HR
- Detailed project explanation was asked. HR asked me to draw the block diagram of the Project. Questions like What was my role in the project ? was asked.
- Then next questions will be from your resume. Be strong in what you have mentioned in your resume.
- Questions from the written test will also be asked. If you had made mistake a solution. He will ask where have you made a mistake?, What is the approach to solve ?

ROUND 8:

DESIGN ROUND:

It lasted for about an hour.

- We will be given a system to design. You have to work as a team and discuss with your team mates find the best approach for the system.
- We were asked to design a communication protocol.
- If you don't know the solution or you couldn't understand any technique feel free to ask your doubts. And if someone in your team doesn't understand any concepts Teach them about the Technique. This round is only to check your ability to work as a team.
- Then we were also asked to write a Pseudocode for the system implementation.

ROUND 9:

ESSAY WRITING
- There is no time limit for this round. You can complete it in 10 mins.
- This is only to check your basic English knowledge.
- General questions were asked.

AREAS TO PREPARE :
- Basic Physics and Maths, Core Subjects, C/C++

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :
- RS Agarwal, Indiabix for aptitude.
- 11th and 12th physics books.
- Core subjects which you used to prepare for semester exams is enough.
- Tech Dose and Jenny's lectures (You Tube), Hackerrank for C program.

OVERALL EXPERIENCE :
- The overall selection process will be tedious.
- HRs were very friendly.

GENERAL TIPS :
- Attitude is important.
- Coding is as important as core subjects. Keep practicing to code.
- Don't lose hope when you don't find logic Keep thinking. Sometimes they expect Only the logic for the questions

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CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

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COMPANY TYPE   : CORE

JOB DESIGNATION   : PROJECT ENGINEER

SALARY (CTC)   : 5-6 LPA

INTERN OFFERED ?   : YES

BOND   : NIL

HAVE YOU PLACED ?   : YES

COMMENTS ON SELECTION PROCESS :

ROUND 1 : APTITUTE

- 30 QUESTIONS
- 30 MINUTES
- THEY PROVIDE THE LIST OF FORMULAS
- NO NEGATIVE MARKING

HAVE YOU CLEARED THE ROUND :

- YES

DETAILS ABOUT QUESTIONS ON 1ST ROUND:

- QUESTIONS FROM APTI AND 12TH STANDARD PHYSICS.

APTI:

- PREPARE FROM INDIA BIX / RS AGARWAL
- RATIO & PROPORTION, ALLEGATION AND MIXTURES, BLOOD RELATION, TIME WORK SPEED DISTANCE ARE THE IMPPORTANT TOPICS.

PHYSICS:

- 1ST TWO UNITS OF 12TH PHYSICS IS ENOUGH.
- THEY ASK US TO CALCULATE FORCE, ENERGY STORED, POWER DENSITY LIKE QUESTIONS.

ROUND 2 : BASIC C PROGRAMMING

- 5 QUESTIONS
- 45 MINUTES
- 4 QUESTIONS FROM STRINGS AND ARRAYS & 1 QUESTION FROM STRUCTURE.

HAVE YOU CLEARED THE ROUND :

- YES

DETAILS ABOUT QUESTIONS ON 2ND ROUND:

- TRY TO SOLVE ATLEAST 2 QUESTIONS.
- BASED ON THE CONSOLIDATE MARKS OF THE 1ST ROUND AND 2nd ROUND THEY SHORTLIST THE STUDENTS FOR THE FURTHER ROUNDS.

QUESTIONS:

- ANAGRAM.
- ADD TWO NUMBERS AND REPRESENT IN THE FORM OF COMPLEX NUMBER
- GIVE A MOVIE TICKET AMOUNT, NO OF MEMBERS, DISCOUNT ETC… WE HAVE TO CALCULATE THE TOTAL AMOUNT.
- REVERSE A 1ST HALF OF A STRING, DO NOT CHANGE THE MIDDLE CHARACTER OF THE STRING AND THEN REVERSE THE BALANCE CHARACTERS OF THE STRING.

ROUND 3 : ONE MARKS

- 11 QUESTIONS(11TH QUESTION IS MANDATORY, WHICH IS FROM BASIC PHYSICS)
- 60 MINUTES
- THEY PROVIDE THE LIST OF FORMULAS

HAVE YOU CLEARED THE ROUND :

- YES

DETAILS ABOUT QUESTIONS ON 1ST ROUND:

- THOSE WHO SCORE 5 OR ABOVE 5 WILL CLEAR THIS ROUND.
- YOU NOT ONLY NEED TO ANSWER THE QUESTIONS COREECTLY, BUT YOU HAVE TO WROTE YOUR STEPS.
- EVENTHOUGH YOUR ANSWER IS CORRECT, BUT YOU DIDN'T WRITE ANY STEPS, THEN YOU WILL NOT GET ANY MARKS.

QUESTIONS:

- 3 QUESTIONS FROM C
- 1 QUESTION FROM GEOMETRY

- 3 QUESTIONS FROM PHYSICS
- BALANCE QUESTIONS ARE FROM LOGICAL THINKING AND APTITUTE QUESTIONS.

ROUND 4,5,6 : C PROGRAMMING, TECH HR & GENERAL HR

HAVE YOU CLEARED THE ROUND :
- YES

ROUND 4 C PROGRAMMING:
- 3 MEDIUM LEVEL C QUESTIONS WERE GIVEN ONE BY ONE.
- 90 TO 120 MINUTES FOR EACH QUESTIONS
- YOU HAVE TO CODE ONLY IN TURBO C COMPILER, NO OTHER COMPILERS ARE ALLOWED.
- FIRST YOU HAVE TO EXPLAIN YOUR LOGIC TO THEM, IF THEY ARE OKAY WITH YOUR LOGIC THEN ONLY THEY WILL ALLOW YOU TO CODE.
- TRY TO GOT OUTPUT FOR ATLEAST 2 QUESTIONS OUT OF 3.
- IN BETWEEN THE CODING ROUND, THEY WILL CALL U TO ATTEND BOTH TECH HR & GENERAL HR.

QUESTIONS:
- PRINT THE MAXIMUM JUMPING NUMBER WITHIN THE GIVEN LIMIT.
- SHORTEST PATH TO REACH THE POSITION OF AN ELEMENT IN AN 2D ARRAY.
- 3RD QUESTION
  - INPUT 1:SOLITONTECHNOLOGIES
  - INPUT 2:OLN
  - OUTPUT:NOL

ROUND 5 TECH HR:
- BE CONFIDENT ABOUT YOUR MINI PROJECT.
- THEY TRY TO CHECK HOW MUCH YOU HAVE DEPTH IN YOUR PROJECT.
- OTHER QUESTIONS ARE ALSO FROM RESUME ONLY.

- WHATEVER YOU PUT IN YOUR RESUME, BE CONFIDENT AND HAVE A KNOWLEDGE ABOUT IT.

ROUND 6 GENERAL HR:
- THEY ASK ABOUT YOUR FAMILY.
- QUESTIONS ARE VERY BASIC QUESTIONS ABOUT US. SO, NO NEED FOR ANY PANIC.
- BE CONFIDENT AND BOLD. DO NOT LIE ABOUT ANYTHING. BE FRIENDLY WITH THEM.
- THEY MAINLY CHECK YOUR ATTITUDE.
- EVENTHOUGH YOU OUTPERFORMED ALL OTHER ROUNDS, BUT IF THEY DID NOT LIKE YOUR ATTITUDE, THEN SURELY THEY WILL ELIMINATE YOU WITHOUT ANY REASON. SO BE POLITE TILL THE ENTIRE PROCESS.

BASED ON THE CONSOLIDATED PERFORMANCE OF ALL THE PREVIOUS ROUNDS(ROUND 3,4,5,6), THEY SHORTLISTED THE STUDENTS FOR THE NEXT ROUND.

ROUND 7 DESIGN ROUND:

HAVE YOU CLEARED THE ROUND :
- YES

DETAILS ABOUT QUESTIONS ON 1ST ROUND:
- THEY GIVE US ANY SIMPLE PROBLEM, WE HAVE TO DESIGN A SOLUTION FOR THAT.
- THE PROBLEM GIVEN TO US IS "WE HAVE TO DESIGN A CHIP FOR DIGITAL COMMUNICATION PROTOCAL".
- EVEN THOUGH WE DIDN'T KNOW ABOUT THE TOPIC, TRY TO SPEAK SOMETHING RELATED TO IT.
- FIRST, ALL THOSE WHO HAVE SHORTLISTED FOR THIS ROUND HAVE STAND IN FRONT OF THE BOARD.
- ALL OF THEM HAVE TO DISCUSS AMONG OURSELF TO FIND THE OPTIMAL SOLUTION FOR THAT PROBLEM.

- THEY ALSO WATCH AND PUT MARKS FOR OUR INDIVIDUAL PERFORMANCE.
- THEY MAINLY FOCUS ON
    - TEAM WORK
    - CONTRIBUTION
    - HOW WE GIVE SPACE TO OTHERS
    - HOW WE WILL EXPLAIN THE TOPICS TO OTHERS.
    - LIKEWISE THEY GIVE POINTS TO US FOR EACH CRITERIA.
    - ONCE, WE FIND A SOLUTION FOR THE PROBLEM, THEN WE HAVE TO SIT INDIVIDUALLY AND WROTE ALGORITHM/CODE FOR THAT PROBLEM.
    - THEN THEY WILL ANALYSE OUR ANSWER. IF YOUR ANSWERS ARE UNDERSTANDABLE TO THEM, THEN IT WILL BE FINE.
    - IF NOT, THEY WILL CALL US INDIVIDUALLY, AND ASK US TO EXPLAIN OUR LOGIC TO THEM.

ROUND 8 ESSAY:

HAVE YOU CLEARED THE ROUND :
- YES

DETAILS ABOUT QUESTIONS ON 1ST ROUND:
- 3 GENERAL QUESTIONS WERE ASKED, WE HAVE ANSWER BY OUR OWN.

QUESTIONS:
- OUR AMBITION IN LIFE BOTH PERSONAL AND PROFESSIONAL.
- WHAT DO YOU EXPECT FROM SOLITON, WHAT DO YOU DO TO SOLITON IF YOU GOT SELECTED, WHAT DO YOU WANT SOLITON TO DO TO YOU.
- WHERE DO YOU WANT YOURSELF AFTER 5 YEARS BOTH PERSONAL & PROFESSIONAL.

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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

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COMPANY TYPE	:	CORE
JOB DESIGNATION	:	PROJECT ENGINEER
SALARY (CTC)	:	5-6 LPA
INTERN OFFERED ?	:	YES
BOND	:	NIL
HAVE YOU PLACED ?	:	YES

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

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

APTITUDE
- Consist of three sections. Apti-12, Technical-12, Coding-6.
- Comprises both technical and logical.
- Technical from physics (basics from the school majorly from), General Aptitude and Programming Aptitude.

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
General Aptitude	Probability, Permutation and Combination, Mensuration, Time and distance.	
Technical	General circuits(Resistance and voltage calculations), Work Energy Power, Heat, Resistivity, Newton's law of motion, Force and Electric Potential(movement of a charged body between potentials).	
Coding	Pointers, Strings, Structures, loops, finding the output.	

ROUND 2 :

C PROGRAMMING
- Totally five Programs. Next question appears only after the submission of the current. Duration 45 min.
- Don't waste your time spending entirely in one program. Allot equal time for each one so that you can answer them all.

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
C Programming	Additions of two complex numbers using structures and pointers, topics in arrays, strings, pointers, structure.	

ROUND 3 :
WRITTEN TEST

- There will be a set of 11 questions from which they will be expecting to solve atleast 10.
- You will be given 1 hour which won't be sufficient enough. So, try solving the one you know first.
- Almost 6 to 7 questions will be from physics (mostly from the topics that are mentioned in the aptitude round and some of them will be from core.
- There will be logical questions which will be very twisty. So, don't spend too much of your time wasting there. Because you can find some of the questions easy from physics and from the core.

Have you cleared the round : YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Logical	A painter had made different mixtures of colour from the colours he had by mixing atleast two. If he had prepared x mixture of colours(Eg.446) how many colours he had.	Tried using combinations.
	Circle inscribed inside a triangle, hypotenuse(divided into two sections by the circle) and radius of the circle was given. Asked about the adjacent side.	Applied basic proportionality theorem from 10th maths.
Technical	Digital Circuits-Output of logic gates	Applied AND, OR, NAND, NOR logics.
	Relationship between resistivity and density	Generic approach of particle atomic binding energy.
	A man jumps in moon jumps to given height, what amount of force he had to give to jump the same height in earth.	Newton's Law of Motion and Gravitation, Force.
	Power of a given circuit given resistance and voltage.	General formula for voltage and power.
	Basic concept of current and voltage like when three bulbs are connected to the supply which will glow first.	
Programs	To find the number of updates a variable is undergone inside the given loop.	Understand the entire working of loops (use karthik sir notes)
	Output of the given program.	

ROUND 4 :

PROGRAMMING

A Code will be given to solve and simultaneously will be called for the HR interviews.

Have you cleared the round : YES / NO

Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
C Programming	Find the greatest jumping number below a given number. Eg.3454(a number which differs one from its successive digits).	Traversing from the number and find the value through divide and modulo operation.

ROUND 5:

LONG CODING. Duration-half a day.

- You will be given long coding questions and expect to solve them using good logic.
- Giving answer is not necessary but must to be very clear in the logic.
- They mainly evaluate your way of approach.
- You will be given enough time. Next question will be given once you complete the given.

ROUND 6:

GENERAL HR- Duration-5min
- Questions will be general from your family background, your why soliton, how you think you fit for soliton and similar questions to check your personality.
- **Attitude** will be the deciding factor.
- Try to be very friendly with the HR and feel free to talk. Your way of answering and attitude means a lot.

ROUND 7:

TECHNICAL HR- Duration 5 to 10min.
- Questions will be from the written test round.
- How did you solve this?
- Can you solve this again?
- Majority of the questions are from the projects. Asked to draw the block diagram of the latest project.
- Cover the resume completely. There will be questions from the Area of interest.
- If you don't know the question, state the correct reason and accept it rather arguing or trying to sort it out.

ROUND 8:

DESIGN ROUND:
- Will be given a project and ask to discuss as a team.
- We were given a project to make a protocol which facilitates communication between two chips.
- There's no need to go for complete technical. Just put forth your points.
- Only your coordination and immediate way of approach to a problem will be evaluated more. Even if you don't know that domain just try to speak out.
- After this everyone in private had been asked to write the logic and code behind that protocol.

ROUND 9:

ESSAY WRITING
- This is only to check your basic knowledge in English.
- Questions like why soliton?, what you will do to soliton?, what you think soliton will do to you?, what is your ambition in life?, which position you want to be in after 5years both professionally and personally? will be present. Answer them precisely.

AREAS TO PREPARE :
- Physics, core, mathematics, general and logical aptitude.(ALL THE SPECIFIC TOPICS HAD BEEN ALREADY LISTED IN THE APPROPRIATE SECTIONS).

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :
- RS Agarwal
- Freshersworld youtube channel
- India Bix   for General Aptitude.
- 11th and 12th physics. I strongly recommend older version of books to the new ones which will be very precise.
- Core Subjects from our semester syllabus will be good enough. You can also study from tutorials point and geeks for geeks.

OVERALL EXPERIENCE :
- The overall selection process will be tedious.
- Programming rounds will be for a day long along with the HR interviews so we got dried out and frustrated. It's just to check out your patience. Don't lose your energy.
- The staffs were very friendly. They will be mentoring you in the programming rounds.
- I got out good results in the aptitude rounds and HR interviews and proposed good approaches to the problems yet there's some constrains in the output which are negligible because their overall view will be towards the way you approach the programs and not the result. So don't get tensed when you are not getting the output.
- Only five of us had been selected for the last round. And happy to hear all five had been selected. There's no constrains in the count they recruit. So don't give up and go for the last possible try.

GENERAL TIPS :
- Don't fear the HR and speak very friendly in a respectful way.
- Your attitude is what very much evaluated.
- Feel free to smile wherever necessary.
- Move in with all your confidence which will definitely help you a lot.
- I had prepared hard but still only two questions came of my preparation. So, don't let lose hope even you haven't prepared yet you can clear it.
- All those concepts learnt in our core will definitely help. Try brushing out the basics. Basics are very much enough.
- A good logical and analytical knowledge in physics and our core will definitely help getting placed in soliton.
- Prepare a lot for coding. They will be expecting good coding skills.
- They will consolidate only your overall performance. So, even if you lagged somewhere try covering it in the other section.

The last point is that the way you prepare for the soliton will be same for the companies too. The only difference is that we will be having physics in addition.

Prepare well! ALL THE BEST FOR YOUR PLACEMENTS!!

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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

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COMPANY NAME	:	SOLITON TECHNOLOGIES
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	PROJECT ENGINEER
SALARY (CTC)	:	5 to 6 lpa
INTERN OFFERED ?	:	YES
BOND	:	Nil
HAVE YOU PLACED ?	:	YES

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

Round 1 happened virtually. It was the written test followed by coding test.

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

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Physics	The question were from Power, Energy, Dipole, and from 11th and 12th Physics	
Maths and Logical Apti	Basic mathematical problems and logical questions	
Quants		
C Programming	Strings, Arrays, and Pointers	

ROUND 2 :

Here, again there was a written test for the shortlisted candidates followed by short coding round and long coding round. Written test comprises 11 questions in which the 11th question is a compulsory one and the questions were similar to the before round comprising C programming, physics, maths, and digital circuits. For short coding and long coding rounds, logical approach is noted.

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

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
C programming	Strings, Arrays, Pointers	
Data structures	Stacks	

ROUND 3 :

Technical round and General HR.
In Technical round, Projects were discussed and the answers wrote in the written test were discussed.
In General HR, about personal details and other offers were discussed.

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

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

ROUND 4 :
Design round followed by essay writing round.
Chip to chip communication has to be designed and also asked to code for the logic.
This round followed by an essay writing round about myself, my ambitions in life, what will I do for Soliton, what do I expect from Soliton, and what are my plans for the next 5 years both personally and professionally.

Have you cleared the round : YES
Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH

AREAS TO PREPARE :

Basic physics and maths, Projects done, Quants and logical and C programming.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :
Indiabix
Hackerearth
GeeksforGeeks

OVERALL EXPERIENCE :
The overall experience was really good. They also notice the attitude and the way we convey the message especially in design round.

GENERAL TIPS :
Concentrate more on C programming and the projects done.