SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY AND MANAGEMENT
A Unit of Shri Sode Vadiraja Mutt Education Trust® Udupi
Vishwothama Nagar, Bantakal – 574 115, Udupi District, Karnataka, INDIA

Activity Report

Academic Year	2018-19
Name of the Program	Mock Placement Interview
Date	08 September 2018
Target Audience	Final Year CSE Students
Resource persons	Mr. Manoj T,Ms. Tejaswini H, Ms. Swathi Prabhu – Faculty ; Mr. Shrivshnu, Mr. Prakyath Yadav, Mr. Shreesha – students of final year
Number of Participants	14

Report of the Activity

A Mock placement interview for interested final year students was conducted on 08-Sep-2018 by the Department of Computer Science

The mock interview had the following rounds:

Round 1: General Aptitude - MCQs (30 question, 40 minutes)
Round 2: Coding using C/C++ (4 questions, 1 hr)
Round 3: Technical + HR interview

3 parallel sessions on Technical and HR interview was conducted by Dr. Vasudeva (HOD), Mr. Manoj T, Ms. Tejaswini H, Assistant professors, Department of Computer Science and inputs were given by interviewers wherever appropriate. This round helped students to face the interview with confidence.
The entire process was monitored by Mr. Manoj T, Ms. Tejaswini H, Ms. Swathi Prabhu, Assistant professors and Mr. Shrivshnu, Mr. Prakyath Yadav, Mr. Shreesha, students of final year, Department of CSE.
At the end Mr. Manoj T and Ms. Tejaswini H shared their observations and gave suggestions on how to prepare themselves better for future interviews.
The process was concluded by discussing solutions to problems by Mr. Shrivishnu.

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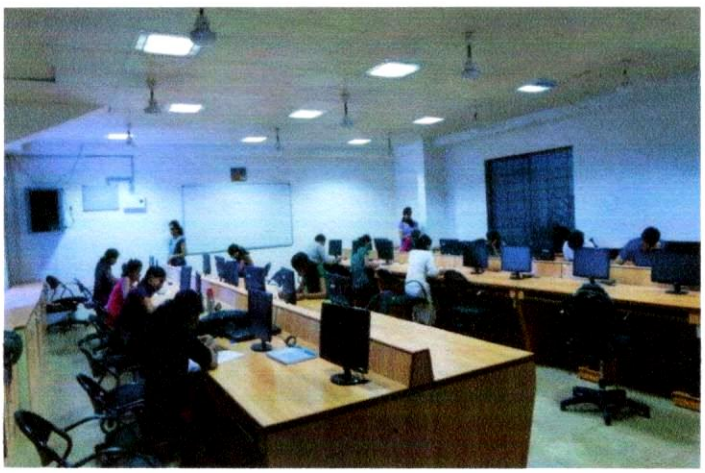

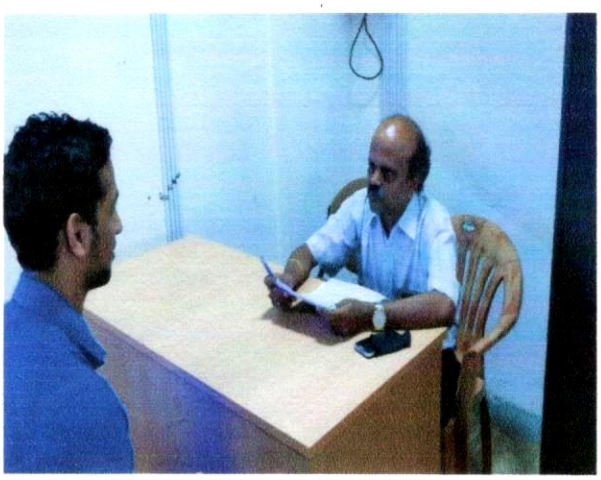

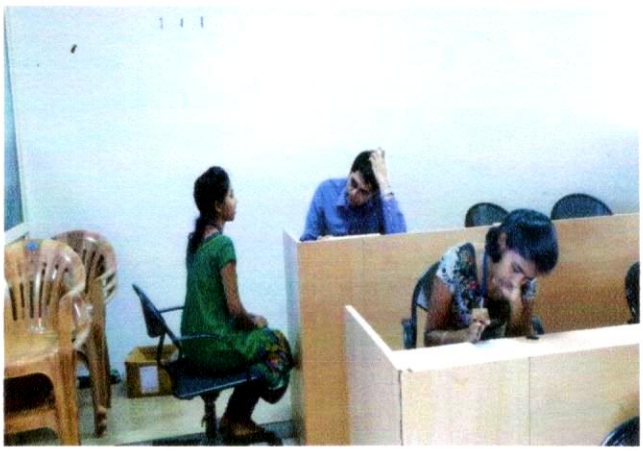

Event	Mock Placement Interview
Date	08 Sep 2018
Location	Lab CC3, 3rd floor Admin Block CS department
Lat	13.254574
Long	74.785258

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Shri Madhwa Vadiraja Institute of Technology and Management

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Vishwothama Nagar, Bantakal – 574 115, Udupi District, Karnataka, INDIA

Training and Placement Cell

Vidya Bhat

Training & Placement officer

05 September 2018

Ref No: 2018/ TPO/TPC/ 05

CIRCULAR:

A Mock placement interview for interested final year students on 08-Sep-2018 by the Department of Computer Science and TPC. All the interested students are hereby instructed to register for the workshop on or before 07 September 2018

Vidya Bhat

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Copy to:

1. Principal – For information
2. All HOD – For information
3. Assistant Training & Placement Officer
4. Departmental placement Faculty coordinators
5. Final year classroom to read out
6. All Dept. & Placement Notice board

Date: 08-Sep-2018

Round 1: Aptitude

Aptitude Test

1. Choose the correct option to fill the ?1 and ?2 so that the program prints an input string in reverse order. Assume that the input string is terminated by a new line character.

```
#include <stdio.h>
void wrt_it (void);
int main (void) {
        printf("Enter Text");
        printf ("n");
        wrt_it();
        printf ("n");
}
void wrt_it (void){
        int c;
        if (?1)
        wrt_it();
        ?2
}
```

   a) ?1 is getchar() ! = '\n' ?2 is getchar(c);
   b) ?1 is (c = getchar()); ! = '\n' ?2 is getchar(c);
   c) ?1 is c! = '\n' ?2 is putchar(c);
   d) ?1 is (c = getchar()) ! = '\n' ?2 is putchar(c);

2. int* ptr1, ptr2; means that
   a) ptr1 and ptr2 are uninitialized pointers to int
   b) ptr1 is uninitialized pointers to int and ptr2 is variable of type int
   c) ptr1 is a pointer and it is pointing to int variable ptr2
   d) ptr2 is uninitialized pointers to int and ptr1 is variable of type int
3. There are 25 horses among which you need to find out the fastest 3 horses. You can conduct race among at most 5 to find out their relative speed. At no point you can find out the actual speed of the horse in a race. Find out how many races are required to get the top 3 horses.
   a) 5 b) 6 c) 7 d) 8
4. If the average of four consecutive odd numbers is 12, find the smallest of these numbers?
   a) 5 b)7 c) 9 d) 11
5. If the sum of two numbers is 13 and the sum of their square is 85. Find the numbers?
   a) 6 and 7 b) 5 and 8 c) 4 and 9 d) 3 and 10
6. The product of two numbers is 108 and the sum of their squares is 225. The difference of the number is:
   a) 5 b) 4 c) 3 d) None of these
7. The average of 21 results is 20. Average of 1st 10 of them is 24 that of last 10 is 14. the result of 11'th is:
   a) 42 b) 44 c) 46 d) 40
8. What could be the maximum value of Y in the following equation given that neither of X, Y, Z is zero? 5X8 + 3Y4 + 2Z1 = 1103
   a) 0 b)7 c) 8 d) 9
9. What is the unit's digit in the product $(267)^{135} \times (66666)^{71}$?
   a) 7 b) 6 c) 1 d) 2
10. What should be assigned to # so that 2582#724 is divisible by 11?
   a) 4 b) 5 c) 6 d)7
11. On dividing 201098 by a certain number, the quotient is 67 and the remainder is 31. Find the divisor.
   a) 3011 b) 3001 c) 3021 d)2991
12. Three friends started running together on a circular track at 8:00:00 am. Time taken by them to complete one round of the track is 15 min, 20 min, 30 min respectively. If they run continuously without any halts, then at what time will they meet again at the starting point for the fourth time?
   a) 9:00:00 am b)8:30:00 am c)12:00:00 pm d)12:00:00 am
13. Out of all the 2-digit integers between 1 and 100, a 2-digit number must be selected at random. What is the probability that the selected number is not divisible by 7?

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a) 13/90 b) 12/90 c) 76/90 d) 77/90

14. Three friends A, B and C are employed to make pastries in a bakery. Working individually, they can make 60, 30 and 40 pastries respectively in an hour. They decided to work together but due to lack of resources, they had to work on shifts of 30 minutes. Find the time taken to make 185 pastries.
    a) 4 hours b)3 hours 45 minutes c)4 hours 15 minutes d)5 hours
15. If 6 men and 8 boys can do a piece of work in 10 days while 26 men and 48 boys can do the same in 2 days, the time taken by 15 men and 20 boys in doing the same type of work will be:
    a) 4 days b) 5 days c) 6 days d) 7 days
16. Consider the following logical inferences.
    I1: If it rains then the cricket match will not be played.
    The cricket match was played.
    Inference: There was no rain.
    I2: If it rains then the cricket match will not be played.
    It did not rain.
    Inference: The cricket match was played.
    Which of the following is **TRUE**?
    a) Both I1 and I2 are correct inferences
    b) I1 is correct but I2 is not a correct inference
    c) I1 is not correct but I2 is a correct inference
    d) Both I1 and I2 are not correct inferences
17. Which of Following is not divisible from 4?
    a) 546702 b)556824 c)367312 d)467536
18. A political party orders an arch for the entrance to the ground in which the annual convention is being held. The profile of the arch follows the equation $y = 2x - 0.1x2$ where y is the height of the arch in meters. The maximum possible height of the arch is
    a) 8 meters b) 10 meters c) 12 meters d)14 meters
19. What should be the value of * in 985*865, if number is divisible by 9?
    a) 6 b)5 c) 4 d)0
20. The least perfect square, which is divisible by each of 15, 20 and 36 is:
    a) 1200 b) 800 c)1000 d)900
21. A is 5 years older than B who is thrice as old as C. If the total of ages of A, B and C is 40, then how old is C?
    a) 6 b) 7 c) 5 d) 8
22. An automobile plant contracted to buy shock absorbers from two suppliers X and Y. X supplies 60% and Y supplies 40% of the shock absorbers. All shock absorbers are subjected to a quality test. The ones that pass the quality test are considered reliable. Of X's shock absorbers, 96% are reliable. Of Y's shock absorbers, 72% are reliable. The probability that a randomly chosen shock absorber, which is found to be reliable, is made by Y is
    a) 0.288 b) 0.334 c) 0.667 d) 0.720
23. The minimum number of cards to be dealt from an arbitrarily shuffled deck of 52 cards to guarantee that three cards are from some same suit is
    a) 3 b) 8 c) 9 d) 12
24. Based on the given statements, select the most appropriate option to solve the given question. What will be the total weight of 10 poles each of same weight?
    Statements:
    (I) One fourth of the weight of a pole is 5 kg
    (II) The total weight of these poles is 160 kg more than the total weight of two poles.
    a) Statement II alone is not enough b) Statement I alone is not sufficient c)Either I or II alone is enough
    d) Both statements I and II together are not enough.
25. A, B and C can write 360 pages in 5 hours. C can write same number of pages in 3 hours as written by A in 13 hours. What is the number of pages written by A, B and C?
    a) 45, 120, 195 b) 3, 8, 13 c) 9, 24, 39 d) Cannot be determined
26. Read each sentence to find out whether there is any grammatical error in it. The error, if any will be in one part of the sentence. Choose the part of the sentence that has an error in it, if there is no error select 'D'.
    a) An Indian ship b) laden with merchandise c) got drowned in the Pacific Ocean. d) No error.

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27. What is the number of solutions for the inequality- $x_1+x_2+x_3<=11$ where x_1, x_2, x_3 are integers greater than 0?

    a) 182 b) 364 c) 78 d) 440

28. "**Three Gorges Dam** crosses the Yangtze River in Hubei province, China. It is the world's largest hydroelectric power station by total capacity of 22,500 MW. A shift in a mass of that size will impact the rotation of the Earth due to a phenomenon known as "the moment of inertia", which is the inertia of a rigid rotating body with respect to its rotation. The moment of inertia of an object about a given axis describes how difficult it is to change its angular motion about that axis. The longer the distance of a mass to its axis of rotation, the slower it will spin. Raising 39 trillion kilograms of water 175 meters above sea level will increase the Earth's moment of inertia, and thus slow its rotation. However, the impact will be extremely small. NASA scientists calculated the shift of such a mass will increase the length of day by only 0.06 microseconds and make the Earth only very slightly more round in the middle and flatter on the top. It will also shift the pole position by about two centimeters (0.8 inch)." Choose the most relevant option based on above paragraph:

    a) This dam is a remarkable piece of engineering and increased the Earth's moment of inertia very slightly.
    b) We can use 'the moment of inertia' to increase the length of day by making more such dams.
    c) Such projects should be made to slow the rotation of the earth.
    d) Such dams can make the shape of Earth flat, so should not be encouraged.

29. The units digit of $35^{87} + 93^{46}$ is:

    a) 4 b) 2 c) 6 d) None of these

30. Five colleague of different age group headed to the bar for celebrating birthday party. Few of them decided to order alcohol. The government rule clearly states that one must be at least 25 years old to drink alcohol. Peter is the head of team and eldest member with age 40 and Bruce is co-team lead. John is drinking banana smoothie. Barry is drinking alcohol and Smith, who is 20 years old, haven't decided yet. Choose the correct option to make sure rules are being followed:

    a) Check Bruce's age
    b) Check Bruce's and Smith's drink
    c) Check Bruce and Barry's age and Smith's drink
    d) Check Peter and Smith's drink

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Date: 08/sep/2018

Mock Placement

USN	Name	Signature
4MW15CS035	Hasiffiya S Aithal	Hasiffiya
4MW15CS090	Shreenivas Hathwar J	Shreenivas. J. H
4MW15CS073	Ranjan	
4MW15CS059	Nootana Hebbar	
4MW15CS063	Poojashree B Shetty	
4MW15CS070	Rachana Madhav	Rachana
4MW15CS088	Shilpa Bhat	
4MW15CS072	Raksha. R	
4MW15CS105	Swathi. G	
4MW15CS087	Shilpa	
4MW15CS113	Vineetha	
4MW15CS102	Sushmitha	
4MW15CS101	Supreetha	
4MW15CS089	Shraddha	

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