G. PULLA REDDY ENGINEERING COLLEGE (Autonomous): KURNOOL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

List of value-added courses offered outside Curriculum (CSE):

Sno	Name of the Course	Academic Year
1	Coder's Club	2020-21
2	Code Tantra for Data Structures/Problem Solving	2020-21
3	Edyst for C Programming	2020-21

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G Pulla Reddy Engineering College (Autonomous): Kurnool
Coders' Club Report 2020-21

Code powers our digital world. Coding is an incredible skill that engages both our creative and problem-solving skills. In today's world that is increasingly influenced by software, we need to produce graduates with outstanding problem solving and coding abilities. Coders' Club at GPREC strives to meet this objective.

The main objectives of this club are to empower our students to:

- Solve problems using Math, Data structures & Algorithms.
- Write correct, efficient and elegant code.
- Crack the coding interviews at product based companies.
- Compete with students studying at other top institutes.
- Clear all the rounds in programming contests like CodeVita.
- Participate in Hackathons.

We had the following activities directed by the club

- **Regular Classes**

  Regular classes were guided by Sri A. Vishnuvardhan Reddy of Computer Science & Engineering department. Different topics based on Math, Data structures & Algorithms, Coding and Problem solving were covered.

- **Review Classes**

  These classes were supervised to clear the doubts of other students by the volunteers of the club. These classes also helped students to interact with their seniors.

- **Programming Contests**

  Different contests based on coding were conducted on different programming platforms like Hacker Rank etc.,

- **Activities**

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Many activities which are helpful to the students in their interview process like technical group discussion, coding quiz, finding the output etc., were conducted on alternative weeks.

Classes and other activities:

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- 79 students cleared the **TCS CodeVita** contest
- 297 students cleared the **INFYTQ** screening test
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- Bandi Padma Sree - III Year CSE
- Madineni Srujana - III Year CSE
- Shetty Naga Sharanya - III Year CSE
- Samhita N - III Year CSE
- Rangam Reddy Yaswanth Kumar Reddy - III Year CSE
- Kadiam Naga Swathi - III Year CSE
- Gangisetty Lakshmi Ratnanjali - III Year CSE
- M S Madhavan Iyer - III Year CSE
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- Munagala Vijay - III Year CSE
- Harika Ramisetty - III Year ECE
- Tharun Chowdary - III Year ECE

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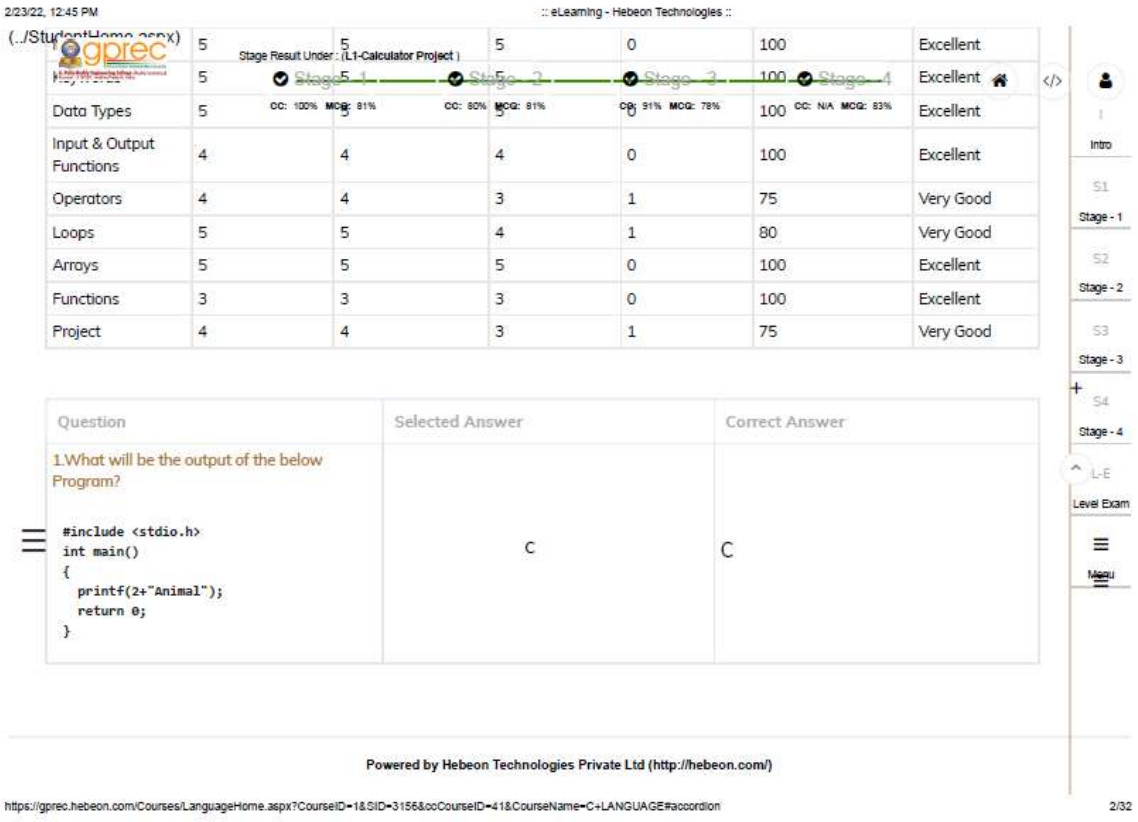
Hebeon Course Content



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Stage Result Under : (L1-Calculator Project)

Stage-1 CC: 100% MCQ: 81% | Stage-2 CC: 90% MCQ: 81% | Stage-3 CC: 91% MCQ: 78% | Stage-4 CC: N/A MCQ: 83%

	5	5	5	0	100	Excellent
	5	5	5	0	100	Excellent
Data Types	5	5	5	0	100	Excellent
Input & Output Functions	4	4	4	0	100	Excellent
Operators	4	4	3	1	75	Very Good
Loops	5	5	4	1	80	Very Good
Arrays	5	5	5	0	100	Excellent
Functions	3	3	3	0	100	Excellent
Project	4	4	3	1	75	Very Good

Question	Selected Answer	Correct Answer

1.What will be the output of the below Program?
`#include <stdio.h>`
`int main()`
`{`
`printf(2+"Animal");`
`return 0;`
`}`
	C	C

Intro | Stage - 1 | Stage - 2 | Stage - 3 | Stage - 4 | Level Exam | Menu

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https://gprec.hebeon.com/Courses/LanguageHome.aspx?CourseID=1&SID=3156&ccCourseID=41&CourseName=C+LANGUAGE#accordion 2/32

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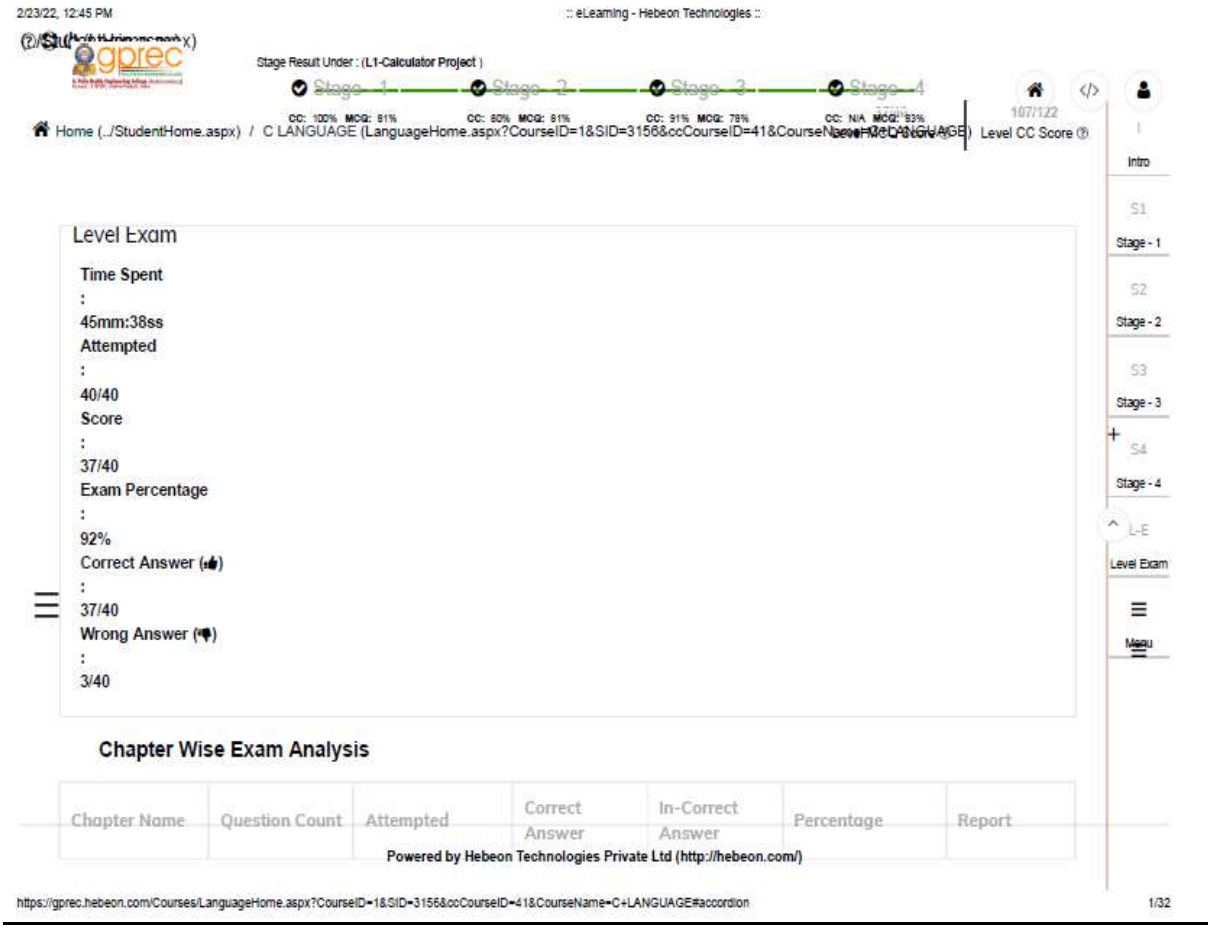

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Code Tantra Course Content for Programming for Problem Solving

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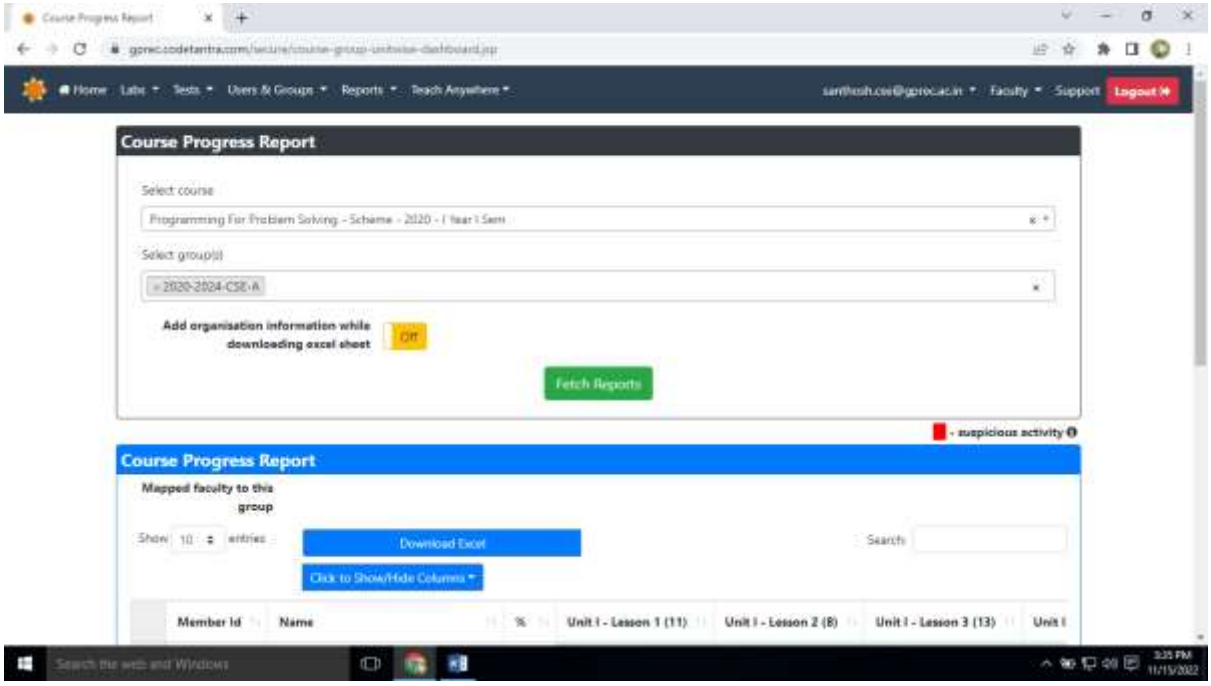

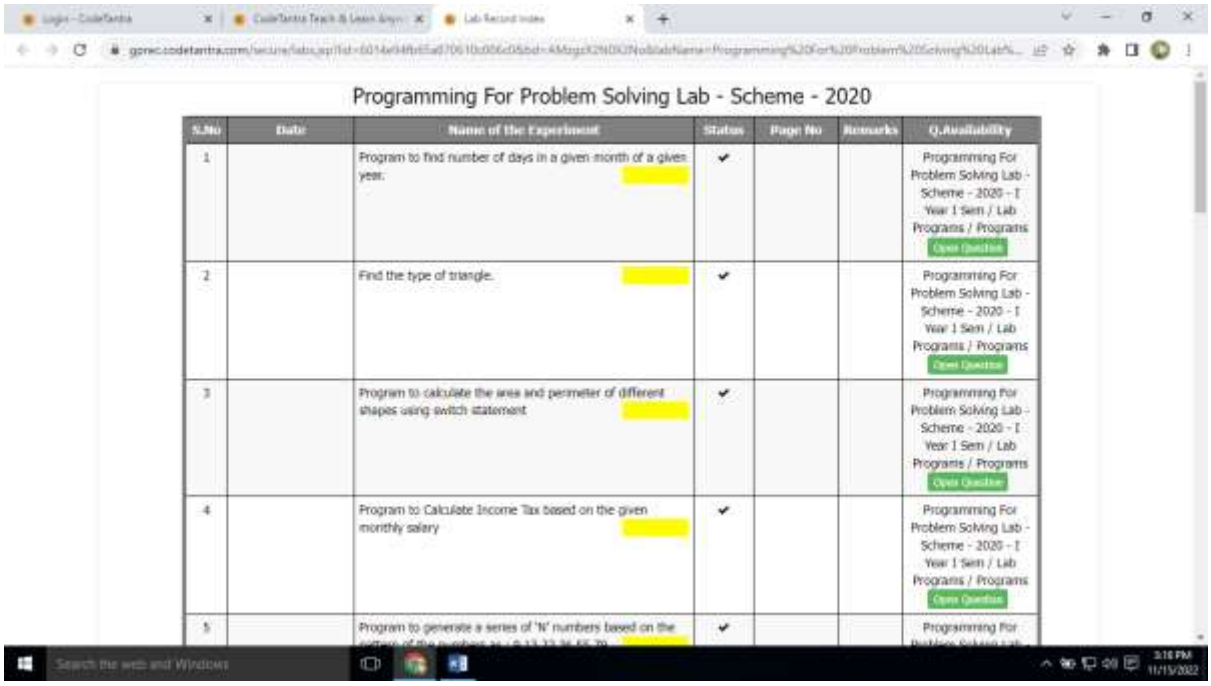

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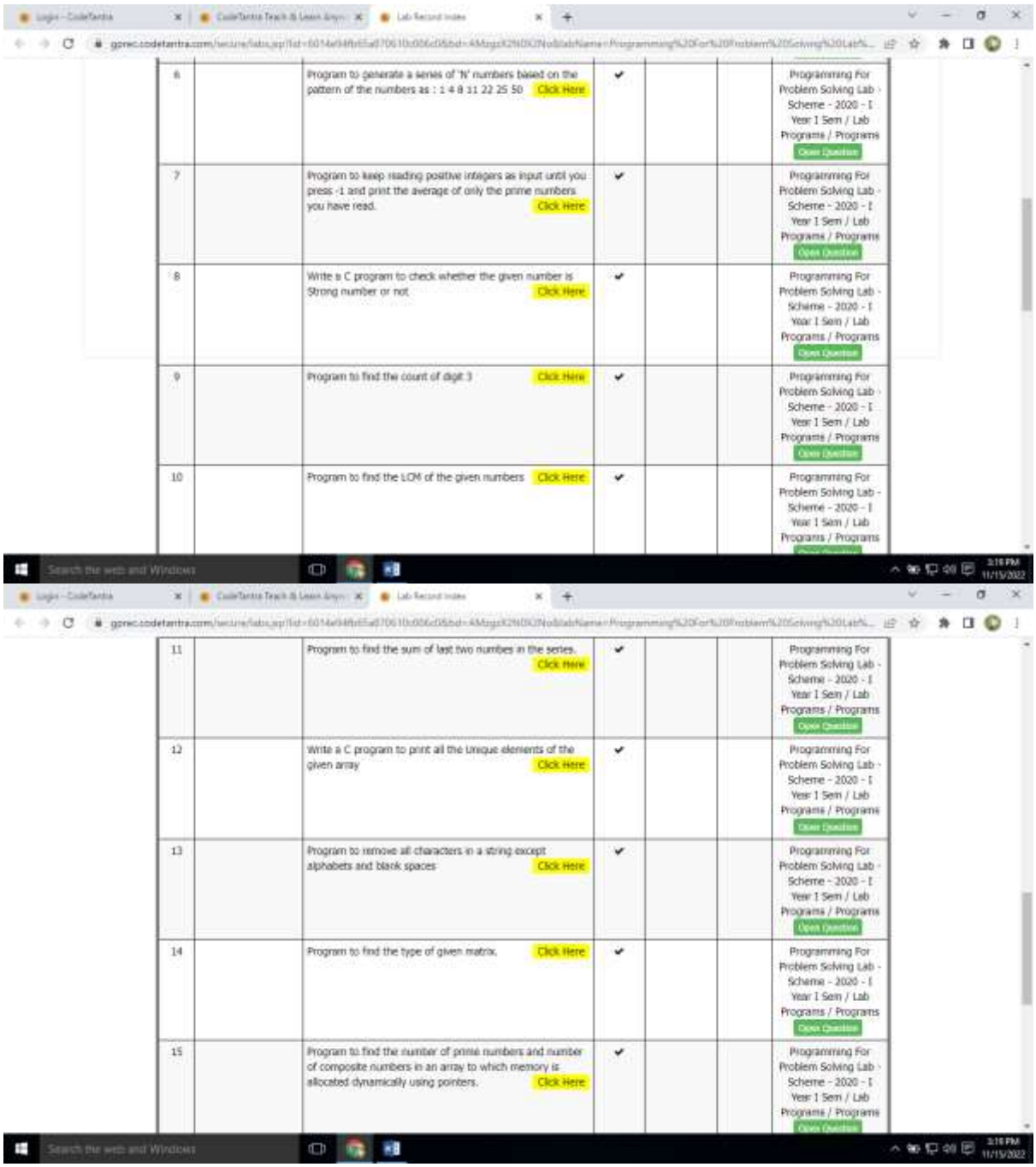

6		Program to generate a series of 'N' numbers based on the pattern of the numbers as : 1 4 8 11 22 25 50 Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
7		Program to keep reading positive integers as input until you press -1 and print the average of only the prime numbers you have read. Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
8		Write a C program to check whether the given number is Strong number or not Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
9		Program to find the count of digit 3 Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
10		Program to find the LCM of the given numbers Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs

11		Program to find the sum of last two numbes in the series. Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
12		Write a C program to print all the Unique elements of the given array Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
13		Program to remove all characters in a string except alphabets and blank spaces Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
14		Program to find the type of given matrix. Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
15		Program to find the number of prime numbers and number of composite numbers in an array to which memory is allocated dynamically using pointers. Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question

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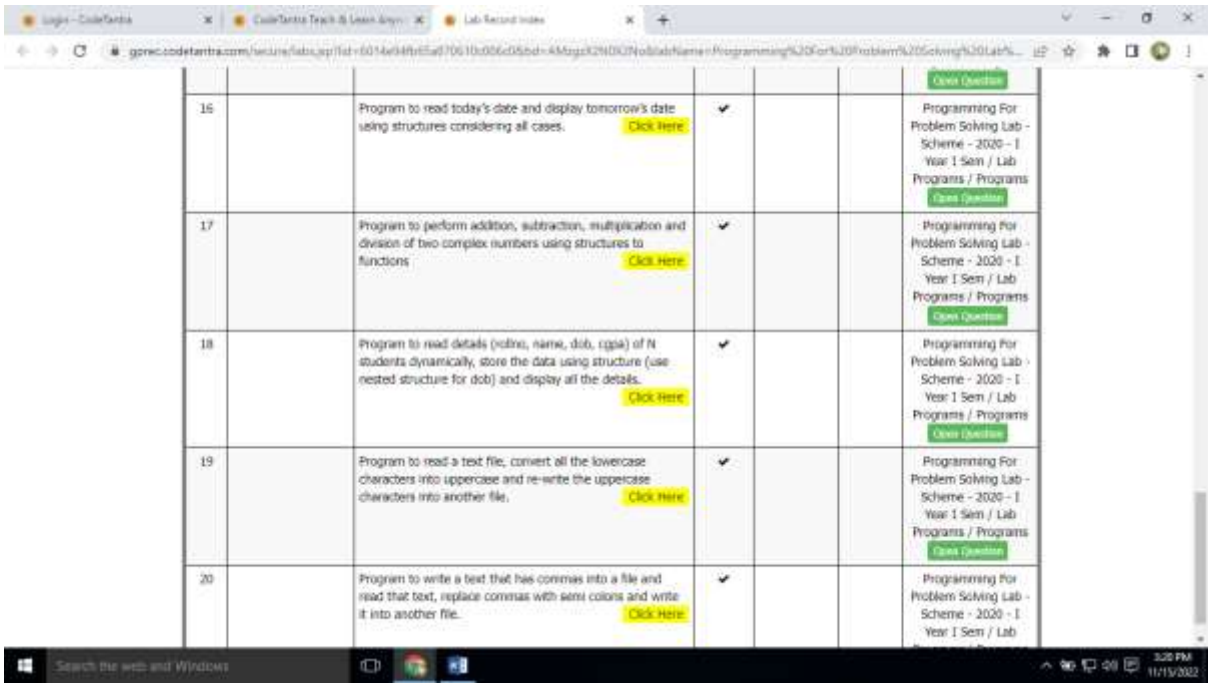

16		Program to read today's date and display tomorrow's date using structures considering all cases. Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
17		Program to perform addition, subtraction, multiplication and division of two complex numbers using structures to functions Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
18		Program to read details (rollno, name, dob, cgpa) of N students dynamically, store the data using structure (use nested structure for dob) and display all the details. Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
19		Program to read a text file, convert all the lowercase characters into uppercase and re-write the uppercase characters into another file. Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab Programs / Programs Open Question
20		Program to write a text that has commas into a file and read that text, replace commas with semi colons and write it into another file. Click Here	✔			Programming For Problem Solving Lab - Scheme - 2020 - I Year I Sem / Lab

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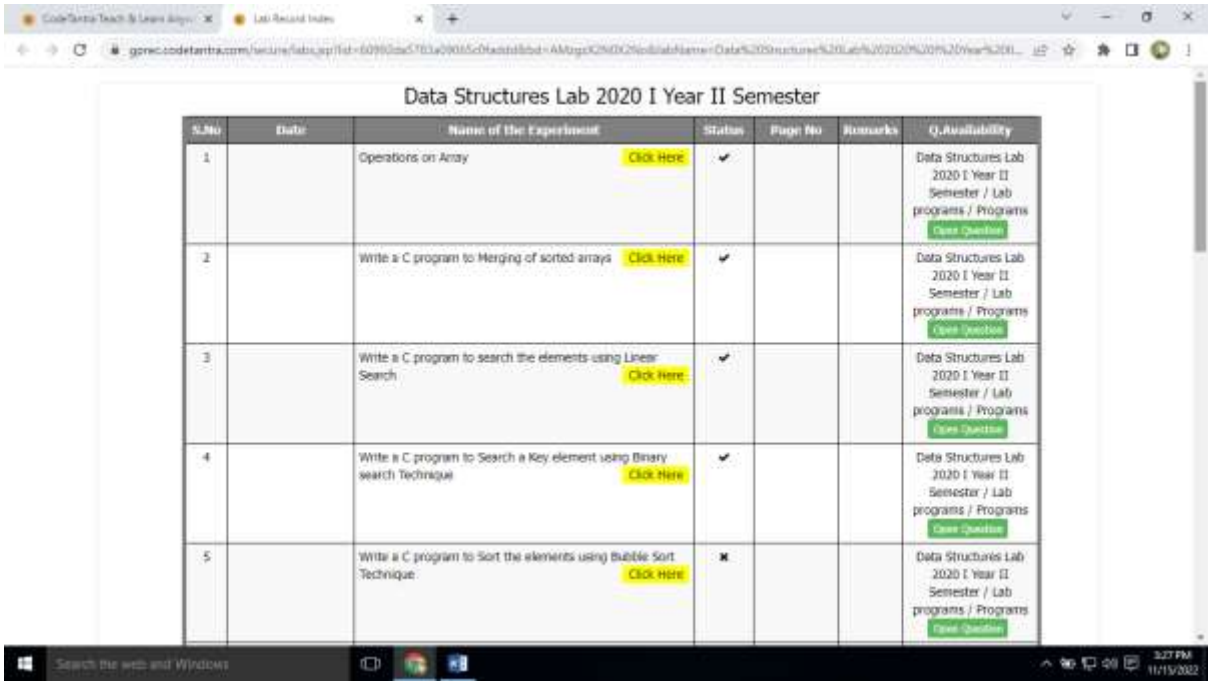
Code Tantra Course Content for Data Structures



Data Structures Lab 2020 I Year II Semester

S.No	Date	Name of the Experiment	Status	Page No	Remarks	Q.Availability
1		Operations on Array Click Here	✔			Data Structures Lab 2020 I Year II Semester / Lab programs / Programs Open Question
2		Write a C program to Merging of sorted arrays Click Here	✔			Data Structures Lab 2020 I Year II Semester / Lab programs / Programs Open Question
3		Write a C program to search the elements using Linear Search Click Here	✔			Data Structures Lab 2020 I Year II Semester / Lab programs / Programs Open Question
4		Write a C program to Search a Key element using Binary search Technique Click Here	✔			Data Structures Lab 2020 I Year II Semester / Lab programs / Programs Open Question
5		Write a C program to Sort the elements using Bubble Sort Technique Click Here	✖			Data Structures Lab 2020 I Year II Semester / Lab programs / Programs Open Question

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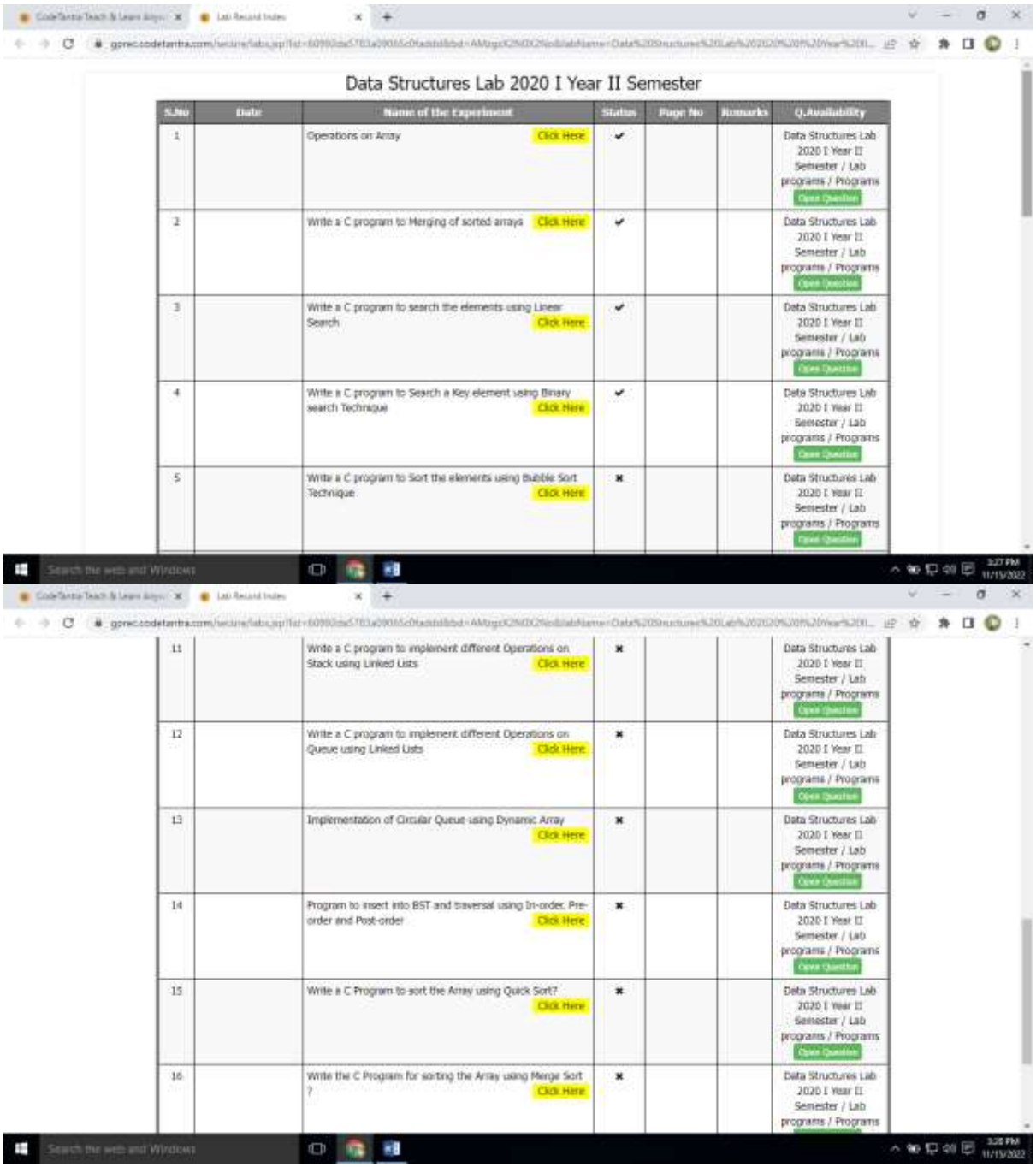

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14		Program to insert into BST and traversal using In-order, Pre-order and Post-order Click Here	✖			Data Structures Lab 2020 I Year II Semester / Lab programs / Programs Open Question
15		Write a C Program to sort the Array using Quick Sort? Click Here	✖			Data Structures Lab 2020 I Year II Semester / Lab programs / Programs Open Question
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- Goud Sri Sai Ajith - III Year CSE
- Munagala Vijay - III Year CSE
- Harika Ramisetty - III Year ECE
- Tharun Chowdary - III Year ECE

Thanking you,

Yours sincerely,

A Vishnuvardhan Reddy
Assistant Professor, CSE dept,
GPREC, Kurnool.

(../StudentHome.aspx)

What is the ouput of the program?

Stage Result Under : (**L1-Calculator Project**)


```
#include <stdio.h>
int main()
{
    int x1=2,x2=99;
    if(++x1||++x2)

                printf("%d   %d",x1,x
2);
    else
         printf("Animal");
 return 0;
}
```

C

C

A : 2,99

B : 3,100

C : 3,99

D : Animal

(../StudentHome.aspx)

What is the output of the program?

Stage Result Under : (**L1-Calculator Project**)

Stage - 1 — **CC:** 100% **MCQ:** 81%

Stage - 2 — **CC:** 80% **MCQ:** 81%

Stage - 3 — **CC:** 91% **MCQ:** 78%

Stage - 4 — **CC:** N/A **MCQ:** 83%

```
#include <stdio.h>
int main()
{
   int i = 65 ;
   char j = 'A' ;
   if ( i == j )
      printf ("Tiger") ;
   else
     printf( "Lion" ) ;

    return 0;
}
```

C

C

A : TigerLion

B : Lion

C : Tiger

D : Compile time error

10.What will be the ouput of the program?

Stage Result Under : (**L1-Calculator Project**)

Stage - 1	Stage - 2	Stage - 3	Stage - 4
CC: 100% **MCQ:** 81%	**CC:** 80% **MCQ:** 81%	**CC:** 91% **MCQ:** 78%	**CC:** N/A **MCQ:** 83%

```
#include <stdio.h>
int main()
{
    float x1=10.5;
    if(x1==10.5)
         printf("Parrot");
    else if(x1<10.5)
         printf("Sparrow");
  else
         printf("Cuckoos");
   return 0;
}
```

A

A

A : Parrot

B : Sparrow

C : Cuckoos

D : No Output

11.What will be the output of the program?

```
#include <stdio.h>
int main()
{
    int a = 10, b = 14, c;
    c = a++ + b;
    printf("%d", c);
    return 0;
}
```

A

A

e error

B : Compiled successfully but no output

C : 10 20

D : 10 10

20.what will be the output of the program?

```
#include <stdio.h>
int main()
{
   int x = 3, y, z ;
   y = x = 10 ;
   z = x < 10 ;
   printf ( "%d %d %d", x, y, z ) ;

   return 0;
}
```

D

D

A : 10 10 10

B : 3 10 10

C : 10 3 10

D : 10 10 0

(../StudentHome.aspx)

21.What will be the output of the below

Stage Result Under : (**L1-Calculator Project**)

Stage - 1	Stage - 2	Stage - 3	Stage - 4
CC: 100% **MCQ:** 81%	**CC:** 80% **MCQ:** 81%	**CC:** 91% **MCQ:** 78%	**CC:** N/A **MCQ:** 83%

```
#include <stdio.h>
int main()
{
   int c=2;
   c-=2;
   printf("%d",c);
   return 0;
}
```

A

A

A : 0

B : 1

C : -2

D : Error

22.What will be the output of the below sample code?

```
#include <stdio.h>
int main()
{
   int a=19;
   int result;
    result = (a==19) ? printf("true") :
printf("false");
   return 0;
}
```

A

A

I
Intro
S1
Stage - 1
S2
Stage - 2
S3
Stage - 3
S4
Stage - 4
L-E
Level Exam
Menu

(../StudentHome.aspx)

B : false

C : true false

D : Error

23.What will be the output of the below sample code?

```
#include <stdio.h>
int main()
{
  int v1=5,v2=7;
  printf("v1=%d,v2=%d",v1,v2);
  return 0;
}
```

C

C

A : 5 7

B : v1=5 v2=7

C : v1=5,v2=7

D : synatx error

I
Intro
S1
Stage - 1
S2
Stage - 2
S3
Stage - 3
S4
Stage - 4
L-E
Level Exam
Menu

24.What will be the output of the below

Stage Result Under : (**L1-Calculator Project**)

Stage - 1 CC: 100% MCQ: 81%

Stage - 2 CC: 80% MCQ: 81%

Stage - 3 CC: 91% MCQ: 78%

Stage - 4 CC: N/A MCQ: 83%

```
#include <stdio.h>
int main()
{
    char c='a';
    printf("%c",c);
    return 0;

}
```

D

D

A : 'a'

B : 97

C : 96

D : a

25.What will be the output of the below sample code?

```
#include <stdio.h>
int main()
{

  100;
  printf("%d",100);
  return 0;

}
```

C

C