



DEPARTMENT OF CIVIL ENGINEERING

Ref No: GRIET/CE/IC/G/22-23

02 January 2023

From,
Dr C. Lavanya
Professor & HOD
Civil Engineering Dept

To
The Principal,
GRIET,
Hyderabad.

Subject: Value Added Course on Problem Solving using C Language Reg.,
Sir,

With reference to the above subject, we the Department of Civil Engineering introduce Value Added Course on "Problem Solving using C Language" in associate with placement office, for II-year B. Tech Civil Engineering. Certificates will be awarded to all students who clear both Internal and External examination. The examination pattern is 30 marks for Internal Examination and 70 marks for External Examination. Kindly provide the subject code for the proposed Value-Added Course. Timetable and syllabus are enclosed below.

Thanks & Regards

[Signature]
Dr, C. Lavanya
Professor & HOD
Civil Engineering Dept
PROFESSOR AND HEAD
Department of Civil Engineering
Goreangaru Institute of
Engineering and Technology
Bachupally, Kukatpally,
Hyderabad-500 090

[Signature]

Principal

approved with a Course Code
as GR22V8007

[Signature]
3/1/23

Value Added Course

on

Problem Solving using C Language



Gokaraju Rangaraju

Institute of Engineering and Technology

(Autonomous)

Bachupally, Hyderabad,

Telangana. India-500090

Office: 7207344440, 7207714441

www.griet.ac.in

About the Institute

Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is established in 1997 by Dr. G Gangaraju as a self-financed institute under the aegis of Gokaraju Rangaraju Educational Society. GRIET is approved by AICTE, New Delhi, permanently affiliated to and autonomous under JNTUH, Hyderabad. GRIET is committed to quality education and is known for its innovative teaching practices.

The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social relevance. Presently GRIET has 9 UG and 6 PG programs. The programs are NBA accredited in CE, CSE, ECE, EEE, IT, and ME. CSBS, AI&ML, DS are new colleges. The institute is accredited by NAAC with 'A++' grade.

About the Department

The Department of Civil Engineering is established in the year 2008, with an intake of 60 students. It is a fast-growing discipline in tune with the infrastructure growth.

The department has master's programs in Structural Engineering, established in the year 2014 with an intake of 18 students which is further increased to 30 students from the academic year 2017. The department has well equipped laboratories with an emphasis on practical skills and fundamentals. The Department has well experienced and talented faculty which includes nine doctorates.



Course Objective:

The objective of the course is to equip the student with problem solving skills using C Language.

Course Outline:

The students are made to write C programs on their own for sets of both mathematical and other engineering problems after exposing them to the different constructs of C language namely Input/output, assignments, iteration and control structures. Basic understanding of File handling using c, Structures and Unions.

1. Practice Sessions Conducted in Moodle.
2. Regular assignments and quizzes are also conducted in Moodle

Course Contents

1. Introduction and Real time applications of C language,
2. Basics of C language , C-tokens, Variables and basic datatypes.
3. Different types of Operators like Arithmetic, relational, and logical operators, Increment and decrement operators, conditional, assignment, bitwise and special operators.

4. Functions –Basic concepts, Types, Categories of functions, Recursive Function – Introduction, Examples
5. Introduction to Arrays- 1D Arrays, 2 D Arrays, linear search, binary search and basic sorting technique using bubble sort etc.,
6. Introduction to Strings, description and use of various string functions of string library
7. Introduction to pointers and basic File operations

Important Dates

VAC Duration :

04th January to 02nd February 2023

(Daily 02:30 PM – 04:00PM)

Targeted Audience

Students of II B. Tech Civil Engineering

Resource Person

1. Mrs. Geeta Mahadeo Ambildhuke,
Assistant Professor, CSE Department
2. Mr. Arun Kumar
Assistant Professor, CSE Dept.

Patrons

Dr. Jandhyala N. Murthy,
Director, GRIET

Dr. J. Praveen,
Principal, GRIET

Dr. K. V. S. Raju,
Senior Administrative officer, GRIET

Convenor

Dr. C. Lavanya,
Professor & HOD, CE, GRIET

Coordinators

1. Mr. Akula Prakash
Assistant Professor, CE, GRIET
2. Ms. K. Hemalatha
Assistant Professor, CE, GRIET





Gokaraju Rangaraju Institute of Engineering and Technology

Department of Civil Engineering

Timetable for Value Added Course AY: 2022-23 (II-Semester)

w.e.f : 04 th January 2023				
Day	08:50am – 11:20am	11:20am -12:00pm	12:00pm – 02:30pm	2:30pm-4:00pm
Monday	Regular Classwork	LUNCH BREAK	Regular Classwork	VAC- C Language
Tuesday	Regular Classwork		Regular Classwork	VAC- C Language
Wednesday	Regular Classwork		Regular Classwork	VAC- C Language
Thursday	Regular Classwork		Regular Classwork	VAC- C Language
Friday	Regular Classwork		Regular Classwork	VAC- C Language
Saturday	Regular Classwork		Regular Classwork	VAC- C Language

Sub. Code	Sub. Short form	Subject	Speaker Name
	VAC- C Language	Problem Solving using C Language	1. Geeta Mahadeo Ambildhuke Emp ID: 1671 CSE Department (Training Coordinator) 2. Arun Kumar Emp ID: 1661 CSE Dept. (Moodle Coordinator)

[Signature]
2/1/23
HOD-CE

PROFESSOR AND HEAD
Department of Civil Engineering
Gokaraju Rangaraju Institute of
Engineering and Technology
Bachupally, Kukatpally,
Hyderabad-500 090

One Credit Course

Course Title : Problem Solving using C Language

Course Objective: The objective of the course is to equip the student with problem solving skills using C Language.

Course Outline: The students are made to write C programs on their own for sets of both mathematical and other engineering problems after exposing them to the different constructs of C language namely Input/output, assignments, iteration and control structures. Basic understanding of File handling using c, Structures and Unions.

1. Practice Sessions Conducted in Moodle.
2. Regular assignments and quizzes are also conducted in Moodle

Syllabus:

1. Introduction of C Language, Real time applications of C language, Introduction to the structure of C program, Input/output formatting using scanf and printf functions.
2. Basics of C language , C-tokens, Variables and basic datatypes.
3. Different types of Operators like Arithmetic, relational, and logical operators, Increment and decrement operators, conditional, assignment, bitwise and special operators.
4. Introduction to Conditional statements- Simple-if and if-else statement, Else-if ladder statement, Nested – If and Switch case statement.
5. Description of Various Looping Structure- While loop statement, For loop statement, Do-while loop statement
6. Functions –Basic concepts, Types, Categories of functions, Recursive Function – Introduction, Examples
7. Introduction to Arrays- 1D Arrays, 2 D Arrays, linear search, binary search and basic sorting technique using bubble sort
8. Introduction to Strings, description and use of various string functions of string library
9. Introduction to pointers and basic File operations
10. Introduction to structures and unions

Session Plan

Session1: Introduction to C Programming language, Structure of C program and basic Input/Output operations using Scanf and Printf functions.

Session2: Basics of C Language – Tokens, Data Types

Session 3: Practice on basics of data types, variables and I/O functions

Session 4: Arithmetic, relational, and logical operators, Increment and decrement operators, conditional, assignment and special operators.

Session 5: Practice session on Arithmetic, relational, and logical operators

Session 6: Practice session on, Increment and decrement operators, conditional, assignment and special operators.

Session 7: Special Operators, Operator's precedence, operators associativity, Expression evaluation rules.

Session 8: Bit- wise operators.

Session 9: Practice on Bitwise operators

Session 10: Simple-if and if-else statement

Session 11: Practice Session on simple if and if-else statement

Session 12: Else-if ladder statement, Nested – If and Switch case statement.

Session 13: Practice session on simple Else-if ladder, , Nested – If and Switch case

Session 14: While loop statement, For loop statement, Do-while loop statement

Session 15: Practice session on all loops

Session 16: Functions –Basic concepts, Types, Categories of functions

Session 17: Practice session on functions

Session 18: Recursive Function – Introduction, Examples

Session 19: Recursive Function – practice

Session 20: Arrays – 1 Dimensional array

Session 21: Practice session on Arrays

Session 22: Linear search, Binary Search, Sorting on arrays

Session 23: Practice session on searching and sorting of arrays

Session 24: Arrays – 2 Dimensional array

Session 25: Introduction to strings , basic String functions

Session 26: Practice of strings and String Functions

Session 27: Introductions to Pointers and Redirecting I/O – Files & File Operations.

Session 28: Practice problems on File operations

Session 29: Introduction to Structures and Unions

Session 30: Practice session on structure

Targeted Audience :

1. B. Tech (Civil) II Year Students

Resource Persons

1. Mrs. Geeta Mahadeo Ambildhuke, (Training Coordinator)
Assistant Professor, CSE Department
2. Mr. Arun Kumar (Moodle Coordinator)
Assistant Professor, CSE Dept.



Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

Value Added Course on Problem Solving using C Language

OVERALL TRAINING SCHEDULE

Day / Time	2.30 pm to 4.00 pm
Monday	C- LAB
Tuesday	Theory Session
Wednesday	C-LAB
Thursday	C-LAB
Friday	Theory Session
Saturday	Theory Session

Theory Sessions	
S.No.	Date
Session -1	4.01.2023
Session -2	6.01.2023
Session -3	7.01.2023
Session -4	10.01.2023
Session -5	13.01.2023
Session -6	17.01.2023
Session -7	20.01.2023
Session -8	21.01.2023
Session -9	24.01.2023
Session -10	27.01.2023
Session -11	28.01.2023
Session -12	31.01.2020
Session -13	03.02.2023
Session -14	04.02.2023

Lab- Sessions	
S.No.	Date
Session-1	05.01.2023
Session-2	09.01.2023
Session-3	11.01.2023
Session-4	12.01.2023
Session-5	18.01.2023
Session-6	19.01.2023
Session-7	23.01.2023
Session-8	25.01.2023
Session-9	30.01.2023
Session-10	01.02.2023
Session-11	02.02.2023

Coordinator

1)

[Signature]
21/1/2023

2)

[Signature]
21/1/2023

[Signature]
21/1/23
HOD

PROFESSOR AND HEAD
Department of Civil Engineering
Gokaraju Rangaraju Institute of
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Bachupally, Kukatpally,
Hyderabad-500 090



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Value Added Course on Problem Solving using C Language

LIST OF REGISTERED PARTICIPANTS

dt: 31/12/2023

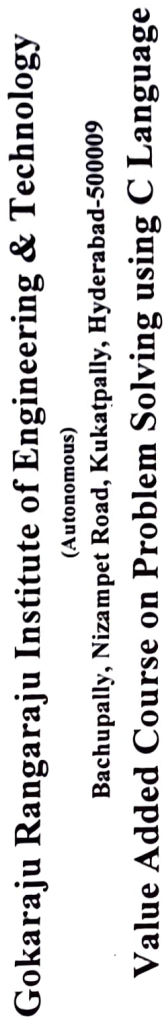
S. No	Roll No.	Name of the Student	Email ID	Phone Number
1	21241A0101	ADAKULAPALLY ANIL	anil21241a0101@grietcollage	9121461236
2	21241A0104	AMIRNENI YASASVI	yasasvi21241a0@grietcollage.com	7569468941
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23	22245A0101	AKULA RAKSHITH	rakshith22245A0101@grietcollage.com	8897974659
24	22245A0102	ANAGANI SUSHMA	sushma22245a0102@grietcollage.com	6300554650
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26	22245A0104	DEEKONDA AKSHITHA	akshitha22245a0104@grietcollage.com	9603409339
27	22245A0105	GANAPURAM SAI BHANVITHA	saibhanvitha22245a0105@grietcollage.com	8688150400
28	22245A0106	GURRAM ABHISHEK	abhishek22245a0106@grietcollage.com	8106124732
29	22245A0107	J RUSHIKESH	rushikesh22245a0107@grietcollage.com	8688469603
30	22245A0108	JANGAM RAJESHWARI	rajeshwari22245a0108@grietcollage.com	7032693025
31	22245A0109	JANGAPELLI VASU	vasu22245a0109@grietcollage.com	8688415521
32	22245A0110	MARAPALLY ASHRITHA	ashritha22245a0110@grietcollage.com	8309170811
33	22245A0111	NEELI BHAVESH	bhaves22245a0111@grietcollage.com	7794872776
34	22245A0112	NANDI SRINIVASA SAI MURARI	murari22245a0112@grietcollage.com	9959414178
35	22245A0113	VIGNAN NANDIGAM	vignan22245a0113@grietcollage.com	8977222551
36	22245A0114	ORSU AJAYKUMAR	Ajaykumar22245a0114@grietcollage.com	8500600183

Coordinators

1) 31/12/2023

2) 31/12/2023

PROFESSOR AND HEAD
Department of Civil Engineering
Gokaraju Rangaraju Institute of
Engineering and Technology
Bachupally, Nizampet Road, Hyderabad-500009



DAY WISE ATTENDANCE - THEORY SESSIONS

[illegible]



Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

Value Added Course on Problem Solving using C Language

DAY WISE ATTENDANCE - LAB SESSIONS

S. No	Roll No.	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8	Session 9	Session 10	Session 11
		05.01.2023	09.01.2023	11.01.2023	12.01.2023	18.01.2023	19.01.2023	23.01.2023	25.01.2023	30.01.2023	01.02.2023	02.02.2023
1	21241A0101	P	P	P	P	P	P	P	P	P	P	P
2	21241A0104	P		P	P	P	P	P	P	P		P
3	21241A0105	P	P	P	P	P	P	P	P	P	P	P
4	21241A0107	P	P	P		P	P		P	P	P	P
5	21241A0109	P	P	P	P	P		P	P		P	P
6	21241A0111	P		P	P	P	P	P	P	P	P	P
7	21241A0112	P	P	P	P		P	P	P	P	P	P
8	21241A0114	P	P	P	P	P	P	P	P	P	P	P
9	21241A0116	P	P		P	P	P	P	P	P		P
10	21241A0121	P	P	P	P	P	P	P	P	P	P	P
11	21241A0122											
12	21241A0126	P	P	P	P	P	P	P	P	P	P	P
13	21241A0127	P	P		P	P	P	P		P	P	P
14	21241A0128	P	P		P	P	P	P	P	P	P	P
15	21241A0131	P	P		P	P	P	P	P	P	P	P
16	21241A0132	P	P	P	P	P	P	P	P	P	P	P
17	21241A0133	P	P	P	P	P		P	P	P	P	P
18	21241A0134	P	P		P	P	P	P	P		P	P
19	21241A0138	P	P	P	P		P	P	P	P	P	P

20	21241A0143	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	21241A0151	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	21241A0153	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	22245A0101	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	22245A0102	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	22245A0103	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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27	22245A0105	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	22245A0106	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	22245A0107	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	22245A0108	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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33	22245A0111	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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35	22245A0113	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	22245A0114	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Coordinating

1) July - 2023

2) 2023



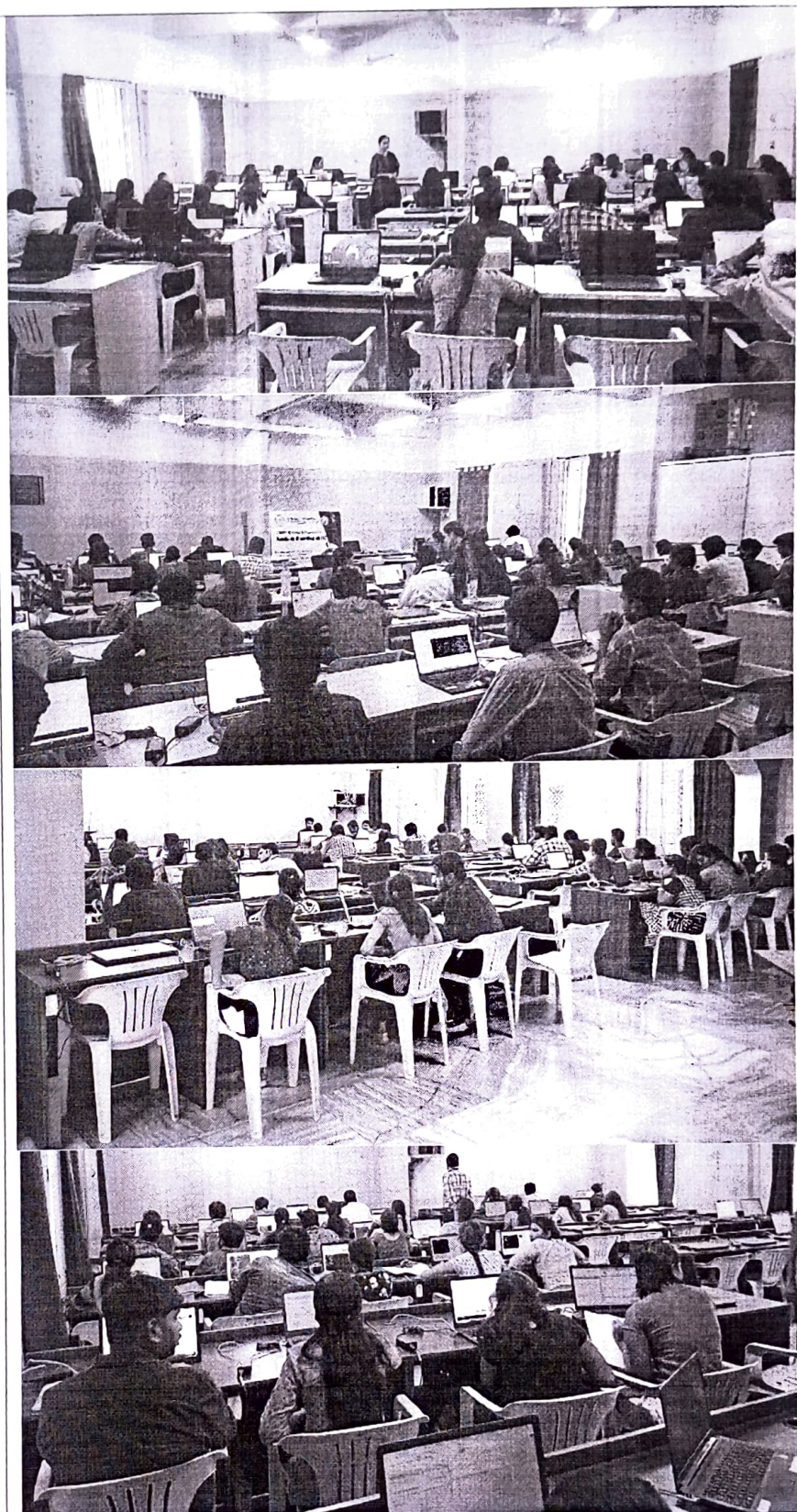
GRIET/6C/G/22-23

EVENT SUMMARY REPORT

Griet /Other institutes/Organization Address:	GRIET				
Department	Civil Engineering	Professional Body	Institutional Body		
Nature of the Event (Co & Extra Curricular Activities -Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Any Prof. Body events/Presentation/ Conference/ Industry Visit)	Value Added Course				
Title / Theme of the Event	Problem Solving using C Language				
Details of the Coordinator& Designation	Convenor Dr. C. Lavanya, Professor & HOD, CE, GRIET Coordinators 1. Mr. Akula Prakash Assistant Professor, CE, GRIET 2. Ms. K. Hemalatha Assistant Professor, CE, GRIET				
Event Dates/Days	From	To	No. of Days		
	04/01/2023	02/02/2023	25		
Details of the Speaker / Guest Organization Address:	1. Mrs. Geeta Mahadeo Ambildhuke, Assistant Professor, CSE Department 2. Mr. Arun Kumar Assistant Professor, CSE Dept.				
Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No.of Faculty	No. of UG students	No.of PG Student s	No.of outside participants	Total Participants
	-	36	-	-	36

Faculty Names & Designation	-
Summary of the Event	Following topics were covered during the entire training sessions 1. Introduction of C Language, Real time applications of C language, Introduction to the structure of C program, Input/output formatting using scanf and printf functions. 2. Basics of C language , C-tokens, Variables and basic datatypes. 3. Different types of Operators like Arithmetic, relational, and logical operators, Increment and decrement operators, conditional, assignment, bitwise and special operators. 4. Introduction to Conditional statements- Simple-if and if-else statement, Else-if ladder statement, Nested – If and Switch case statement. 5. Description of Various Looping Structure- While loop statement, For loop statement, Do-while loop statement 6. Functions –Basic concepts, Types, Categories of functions, Recursive Function – Introduction, Examples 7. Introduction to Arrays- 1D Arrays, 2 D Arrays, linear search, binary search and basic sorting technique using bubble sort 8. Introduction to Strings, description and use of various string functions of string library 9. Introduction to pointers and basic File operations 10. Introduction to structures and unions
IRG (in rupees) Deposited A/C no A/C name and date and other details (enclose proof-A/C statement)	Nil
Expenditure (in rupees) (Enclose proof-bills)	Nil
POs attained with this Event (number and description)	1. Apply knowledge of mathematics, science and fundamentals of Civil Engineering. 2. Analyze problem and interpret the data. 4. Identify, formulate, analyze and interpret data to solve Civil Engineering problems. 6. Understand the impact of engineering solutions in a global, economic and societal context. 9. Work effectively as an individual or in a team and to function on multi disciplinary context. 10. Communicate effectively with engineering community and society.

**Photographs of the
event**
(Hard copy and Soft copy)





GOKARAJU RANGARAJU
Institute of Engineering and Technology



Problem Solving using C Language

04th January to 02nd February 2023

Organized by
Department of Civil Engineering

Certificate of Participation

This is to certify that **B. SWATHI** Bearing Roll Number 21241A0107 Pursuing II B. Tech I Semester in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on Problem Solving using C Language organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023


Mr. Akula Prakash
Course Coordinator, CE


Dr. C. LAVANYA
Convener & HOD, CE


Dr. J. PRAVEEN
Principal, GRJET

Proofs:

1. Certificates copies
2. Profile of Speaker
3. PPT/Material as applicable. etc.,



GOKARAJU RANGARAJU
Institute of Engineering and Technology



Problem Solving using C Language

04th January to 02nd February 2023

Organized by
Department of Civil Engineering

Certificate of Participation

This is to certify that **KUPPALA NAGA NARENDRA** Bearing Roll Number 21241A0132 Pursuing II B. Tech I Semester in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on Problem Solving using C Language organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023.


Mr. Akula Prakash
Course Coordinator, CE


Dr. C. LAVANYA
Convener & HOD, CE


Dr. J. PRAVEEN
Principal, GRJET


GOKARAJU RANGARAJU
 Institute of Engineering and Technology
 VALUE ADDED COURSE
 on




Problem Solving using C Language
 04th January to 02nd February 2023
 Organized by
 Department of Civil Engineering

Certificate of Participation

This is to certify that **G.NAPURAM SAI BHANVITHA** Bearing Roll Number **22245A0105** Pursuing **II B. Tech I Semester** in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on Problem Solving using C Language organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023


 Mr. Akula Prakash
 Course Coordinator, CE


 Dr. C. LAVANYA
 Convener & HOD, CE


 Dr. J. PRAVEEN
 Principal, GRIET


GOKARAJU RANGARAJU
 Institute of Engineering and Technology
 VALUE ADDED COURSE
 on




Problem Solving using C Language
 04th January to 02nd February 2023
 Organized by
 Department of Civil Engineering

Certificate of Participation

This is to certify that **JANGAM RAJESHWARI** Bearing Roll Number **22245A0108** Pursuing **II B. Tech I Semester** in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on Problem Solving using C Language organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023


 Mr. Akula Prakash
 Course Coordinator, CE


 Dr. C. LAVANYA
 Convener & HOD, CE


 Dr. J. PRAVEEN
 Principal, GRIET

Signature of Coordinators

1. Mr. Akula Prakash
Assistant Professor, CE, GRIET.
2. Ms. K. Hemalatha
Assistant Professor, CE, GRIET

Signature of Convener

Dr. C. Lavanya,
 Professor & HOD, CE, GRIET.
 PROFESSOR AND HEAD
 Department of Civil Engineering
 Gokaraju Rangaraju Institute of
 Engineering and Technology,
 Bachupally, Kukatpally,
 Hyderabad-500 090



Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

Value Added Course on Problem Solving using C Language

INTERNAL ASSESSMENT QUESTION PAPER

Q1 to Q5 (Each carry 1 mark)

1. C is a which level language.?

- A. Low Level
- B. High Level
- C. Low + High
- D. None

2. An Identifier can start with.?

- A. Alphabet
- B. Underscore (_) sign
- C. Any character that can be typed on a keyboard
- D. Option A & Option B

3. Choose a correct statement.

- A. C Compiler converts your C program into machine readable language.
- B. C Editor allows you to type C Programs. It is just like a Notepad with extra options.
- C. Console shows the output of a C Program if it is text output.
- D. All the above

4. Range of signed char and unsigned char are.?

- A. -128 to +127 and 0 to 255
- B. 0 to 255 and -128 to +127
- C. -128 to -1 and 0 to +127
- D. 0 to +127 and 128 to -1

5. Which printf() statement will you use to print out a (float value) and b (double value)?

Float a = 3.14;

Double b = 3.14;

- A. printf("%f %lf", a, b);
- B. printf("%f %f", a, b);
- C. printf("%Lf %Lf", a, b);
- D. printf("%f %Lf", a, b);

Q6 to Q15 (Each carry 2 marks)

6. Which is the correct output

```
#include<stdio.h>
```

```
main()
```

```
{
```

```
    float t = 2;
```

```
    switch(t)
```

```
    {
```

```
        case 2: printf("Hi");
```

```
        default: printf("Hello");
```

```
    }
```

```
}
```

A. Hi

B. Hi Hello

C. Hello

D. Error

7. Choose right statement.

```
int main()
```

```
{    float c = 3.5 +
```

```
4.5;
```

```
    printf("%f", c);
```

```
    return 0;
```

```
}
```

A. 8.0

B. 8.000000

C. 8

D. 7

8. Choose a right statement.

```
int a = 5/2;
```

```
int b = 5.0/2;
```

```
float c = 5 /
```

```
2; float d =
```

```
5/2.0;
```

A. a = 2, b = 2, c = 2.0, d= 2.5

B. a = 2, b = 2.0, c = 2, d= 2.0

C. a = 2, b = 2.5, c = 2.5, d= 2.5

D. a = 2.5, b = 2.5, c = 2.5, d= 2.5

9. What is the output ? int main()

```

{   int i = -3;   int k = i%2;
  int p = i%-2;   printf(" k=%d
    p=%d", k, p);   return 0; }

```

A. k=-1 p=1

B. k=-1 p=-1

C. k=1 p=1

D. k=1 p=-1

10. which is the correct output ? #include<stdio.h>

```

int main()
{
  int i = -3;
  int j = 5;   int k = i++ + --j;
  printf(" i=%d j= %d k=%d", i, k,
    p);
  return 0;
}

```

A. i=-4 j= 4 k=0

B. i=-2 j= 5 k=-2

C. i=-2 j= 4 k=1

D. i=-3 j= 5 k=2

11. What will be the output ? #include<stdio.h>

```

int main()
{   int
  x=0;
  if(x=0)
    printf(" It is Zero \n");
  else
    printf(" It is not Zero \n");
}

```

A. It is Zero

B. It is not Zero

C. Runtime Error

D. None

12. what will be the output of the following code?

```

#include<stdio.h>
int main()
{
  int count,digit=0;
  count=1;
  while(digit<=9)
  {
    printf("%d
      ",++count);
  }
}

```



```

        digit++;
    }
}

```

- A. 2 3 4 5 6 7 8 9 10 11
 - B. 1 2 3 4 5 6 7 8 9 10
 - C. 2 3 4 5 6 7 8 9 10
 - D. 1 2 3 4 5 6 7 8 9 10
- 11

13. If the following variables are set to values as shown below then what will be the value of expression

```

answer=2 ;
marks=10;
!((answer<10)&& (marks>2));

```

- A. 1
- B. 0
- C. -1
- D. 2

14. What will be the output

```

#include<stdio.h>
int main()
{
    int i=65;
    char j='A';
    if(i==j)
        printf("c is the best");
    else
        printf("c is headache");
}

```

- A. c is the best
- B. c is headache
- C. Runtime error
- D. None

15. What is the right way to initialize the array

- A. int a[6] = {1, 3, 5,7,2,8};
- B. int a{} = {1, 3, 5,7,2,8};
- C. int a{6} = {1, 3, 5};
- D. int a(6) = {1, 3, 5,7,2,8};

Part B: Write C
Program



Gokaraju Rangaraju Institute of Engineering & Technology

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Value Added Course on Problem Solving using C Language

Internal Assessment Score

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34	22245A0112	NANDI SRINIVASA SAI MURARI	murari22245a0112@grietcollege.com	22 / 30
35	22245A0113	VIGNAN NANDIGAM	vignan22245a0113@grietcollege.com	17 / 30
36	22245A0114	ORSU AJAYKUMAR	Ajaykumar22245a0114@grietcollege.com	18 / 30

Certificate
D. [Signature] 7/12/2023
[Signature] 7/12/2023



GOKARAJU RANGARAJU

Institute of Engineering and Technology

VALUE ADDED COURSE

on



Problem Solving using C Language

04th January to 02nd February 2023

Organized by
Department of Civil Engineering

Certificate of Participation

This is to certify that **NANDI SRINIVASA SAI MURARI** Bearing Roll Number **22245A0112** Pursuing **II B. Tech I Semester** in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on **Problem Solving using C Language** organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023.

Mr. Akula Prakash
Course Coordinator, CE

Dr. C. LAVANYA
Convenor & HoD, CE

Dr. J. PRAVEEN
Principal, GRIET



GOKARAJU RANGARAJU

Institute of Engineering and Technology



VALUE ADDED COURSE

on

Problem Solving using C Language

04th January to 02nd February 2023
Organized by
Department of Civil Engineering

Certificate of Participation

This is to certify that **JANGAM RAJESHWARI** Bearing Roll Number **22245A0108** Pursuing **II B. Tech I Semester** in **Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology** has attended **Value Added Course on Problem Solving using C Language** organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023.

Mr. Akula Prakash
Course Coordinator, CE

Dr. C. LAVANYA
Convenor & HoD, CE

Dr. J. PRAVEEN
Principal, GRIET



GOKARAJU RANGARAJU

Institute of Engineering and Technology

VALUE ADDED COURSE

on



Problem Solving using C Language

04th January to 02nd February 2023

Organized by
Department of Civil Engineering

Certificate of Participation

This is to certify that **B. SWATHI** Bearing Roll Number **21241A0107** Pursuing **II B. Tech I Semester** in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended **Value Added Course on Problem Solving using C Language** organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023.

Mr. Akula Prakash
Course Coordinator, CE

Dr. C. LAVANYA
Convenor & HoD, CE

Dr. J. PRAVEEN
Principal, GRIET



DEPARTMENT OF CIVIL ENGINEERING

Ref No: GRIET/CE/IC/G/22-23

28 Jan 2023

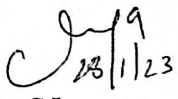
To
The Principal,
GRIET,
Hyderabad.

Subject: Value Added Course on Revit Architecture Reg.,

Sir,

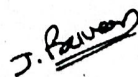
With reference to above subject, we the Department of Civil Engineering introducing Value Added Course on "**Revit for Architecture**" by Auto desk for III& IV Year B. Tech Civil Engineering Students for 40 hours duration. Certificate will be awarded to all students who clear both Internal and External examination. The examination pattern is 30 marks for Internal Examination and 70 marks for External Examination. Kindly, provide the subject code for the proposed Value-Added Course. Syllabus is enclosed below.

Thanking You


Dr C Lavanya
HOD, CE

GR22-V8004 is the
Course code


6/2/2023



Value Added Course

on

Revit for Architecture



Organized by

Department of Civil Engineering

Gokaraju Rangaraju

Institute of Engineering and Technology

Bachupally, Kukatpally, Hyderabad-500090

Website: www.griet.ac.in

About the Institute

Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is established in 1997 by Dr. G Gangaraju as a self-financed institute under the aegis of Gokaraju Rangaraju Educational Society. GRIET is approved by AICTE, New Delhi, permanently affiliated to and autonomous under JNTUH, Hyderabad. GRIET is committed to quality education and is known for its innovative teaching practices.

The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social relevance. Presently GRIET has 9 UG and 6 PG programs. The program is NBA accredited in CE, CSE, ECE, EEE, IT, and ME. CSBS, AI&ML, DS are new college. The institute is accredited by NAAC with 'A++' grade.

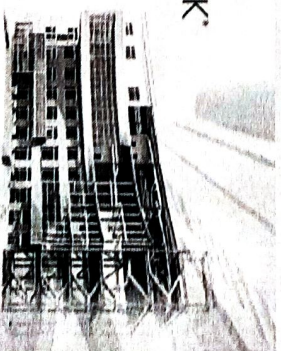
About the Department

The Department of Civil Engineering is established in the year 2008, with an intake of 60 students. It is a fast-growing discipline in tune with the infrastructure growth.

The department has master's program in Structural Engineering, established in the year 2014 with an intake of 18 students which is further increased to 30 students from the academic year 2017. The department has well equipped laboratories with an emphasis on practical skills and fundamentals. The Department has well experienced and talented faculty which includes nine doctorates.

 | AUTODESK
REVIT

Architecture



Course Contents

- Introduction to Revit for Architecture
- Real Time Application of Revit for Architecture
- Role of BIM in Construction and Education
- BIM Applications and Benefits
- Introducing to Autodesk account creation/verification
- Steps to install software, Revit Discipline, Graphical User Interface
- Setting up Levels and Grids & Modeling and Modifying Walls
- Developing Building Models, Model Text and Annotating Construction Documents, Adding Room and Area Tags with Color Legends
- Creation of Sample floor plan
- Massing & Site, Viewing the Model and working with Schedules, Presentation Tools and Construction Documents

Duration

40 Sessions (Every Monday to Saturday from 17th Jan to 9th Feb 2023)

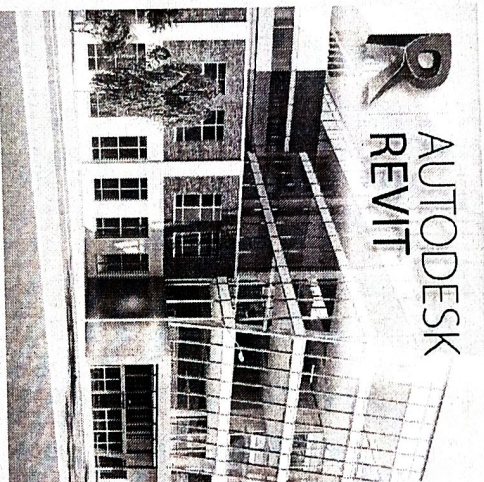
Time 3:00PM – 5:00PM

Targeted Audience

Students of III & IV Year B. Tech Civil Engineering

Resource Person

Ms. Kotha Kalyani
Lead Technical Trainer,
ICT ACADEMY, Telangana.



Patrons

Dr. Jandhyala N Murthy, Director, GRIET
Dr. J Praveen, Principal, GRIET
Dr. K.V.S. Raju, SAO, GRIET

Convenor

Dr. C. Lavanya

Professor & HOD of Civil Engineering

GRIET

Coordinator

Dr. OSD Hima Bindu,

Associate Professor of Civil Engineering

GRIET

Mr. C Vivek Kumar,

Assistant Professor of Civil Engineering

GRIET

Mr A Prakash,

Assistant Professor of Civil Engineering

GRIET



Gokaraju Rangaraju Institute of Engineering and Technology
Department of Civil Engineering
Timetable for Value Added Course - Revit for Architecture

AY: 2022-23 II Semester

w.e.f: 17.01.2023 to 09.02.2023				
Day	09:00am-11:45am	11:45am-12:25pm	12:25pm-02:55pm	03:00pm-05:00pm
Tuesday (17/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Wednesday (18/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Thursday (19/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Friday (20/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Saturday (21/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Monday (23/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Tuesday (24/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Wednesday (25/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Friday (27/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Saturday (28/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Monday (30/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Tuesday (31/01/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Wednesday (01/02/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Thursday (02/02/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Friday (03/02/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Saturday (04/02/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Monday (06/02/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Tuesday (07/02/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Wednesday (08/02/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture
Thursday (09/02/2023)	Regular Classwork	Lunch Break	Regular Classwork	VAC-Revit for Architecture

Sub. Code	Sub. Short form	Subject	Speaker Name
GR22V8004	RA	Revit for Architecture	Ms. Kotha Kalyani Lead Technical Trainer, ICT ACADEMY, Telangana

Coordinator
Babu

HOD-CE

PROFESSOR AND HEAD
 Department of Civil Engineering
 Gokaraju Rangaraju Institute of
 Engineering and Technology
 Bachupally, Kukatpally,
 Hyderabad-500 090

One Credit Course
Course Title: Revit for Architecture

Total Number of Lecture Hours: 40

Course Content:

1. BIM Applications and Benefits, Role of BIM in Construction and Education, Revit Definition and Applications, History of Revit
2. Autodesk account creation/verification, Steps to install software, Revit Discipline, Graphical User Interface, Project Units, Setting up Levels and Grids
3. Setting up Levels and Grids & Modeling and Modifying Walls, Modeling and Modifying Walls, Working with Doors and Windows along with basic activity, Creation of Floors
4. Placement of Components, Modeling Ceilings & Roofs, Modeling Roofs, Stairs & Railings, Floor plan design activity
5. Developing Building Models, Model Text and Annotating Construction Documents, Adding Room and Area Tags with Color Legends and Modify Tools, Creation of Sample floor plan
6. Massing & Site, Viewing the Model and working with Schedules, Presentation Tools and Construction Documents, Doubts Clarification

Targeted Audience:

III & IV Year B.Tech Civil Engineering Students

Resource Persons:

Ms. Kotha Kalyani
Lead Technical Trainer,
ICT ACADEMY, Telangana



Gokaraju Rangaraju Institute of Engineering & Technology
Department of Civil Engineering
Value Added Course - Revit for Architecture

LIST OF REGISTERED PARTICIPANTS

Date: 05/01/2023

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28	20241A0136	pathlavath shiva naya	III	GRIET	pathlavathshivanayak68@gmail.com	9381802955	SbHB289zHpZ8
29	20241A0137	Peddi boina Anusha	III	GRIET	pedhiboyinasrinu@gmail.com	9100979527	3Lepglq3QRWq
30	20241A0141	Radharapu Shaji Kun	III	GRIET	radharapushajikummar@gmail.com	8985229228	G52Y22g1RYaV
31	20241A0142	Ramavath Roja	III	GRIET	rojaramavath031@gmail.com	7036622719	lnQzO36ZS5nr
32	20241A0143	Rathlavath Sairam N	III	GRIET	sairamstunner143@gmail.com	6281080681	vYnn2Wnt2xkl
33	20241A0144	RaviTeja Pasunuthi	III	GRIET	tejapusunuthi7675@gmail.com	7675811809	9hbWOXcr3Dxe
34	20241A0147	Sathvika Narla	III	GRIET	sathunarla@gmail.com	9542874313	jSHK3QtUc7uw
35	20241A0149	Sriram Pandavula	III	GRIET	sriram.pandavula@gmail.com	9840439836	WcwIORjSddG2
36	20241A0150	T Bhargavi	III	GRIET	bhargavi263@gmail.com	6303032235	AukUAS9RejTx
37	20241A0151	T Bhuvaneshwari	III	GRIET	thangavelpooja25@gmail.com	9959655383	K6QIOMqlnMQP
38	20241A0152	S Teja Retiesh Reddy	III	GRIET	retieshreddy@gmail.com	8074196459	ooFjBNjpS4l
39	20241A0153	Tejavath Kalyani	III	GRIET	kalyanitejavath7@gmail.com	8688960330	2HtSnO5qYhQ
40	20241A0154	prudhvi raj tellapuram	III	GRIET	tellapuramprudhvi@gmail.com	8185995072	cjZGBHmKzse8
41	20241A0155	rohith thadem	III	GRIET	rohiththadem18@gmail.com	6303006214	PBOhnlcJAyrd
42	20241A0156	Thummala Rajasheka	III	GRIET	tummalavicky2@gmail.com	9494391440	Zdk4BCtW1oV
43	20241A0157	U Kameswara Sai K	III	GRIET	uppulurkarthik@gmail.com	8074982921	Dv9EnDjbK7Br
44	20241A0158	sreeram vattem	III	GRIET	sreeramv2002@gmail.com	9515259150	hOXfaE89LdOW
45	20241A0160	V Srikar	III	GRIET	srikarvennam007@gmail.com	7729889522	rpt3oxpCUGLf
46	21245A0101	G Arun Kumar	III	GRIET	arunkumargummadvelli@gmail.com	9866272260	5licayfBVMYK
47	21245A0102	K Sriram	III	GRIET	kadirabadsriram@gmail.com	9014317210	J27dVz5zWScg
48	21245A0103	Manikonda Nikitha	III	GRIET	manikondanikitha666@gmail.com	7780283337	TCClatm36m9x
49	21245A0104	prathyusha parikula	III	GRIET	pparikula@gmail.com	8522958632	xVrAWub17sB
50	21245A0105	monuna pateru	III	GRIET	mounupateru357@gmail.com	9652541293	HwWobsnugVil

Coordinator

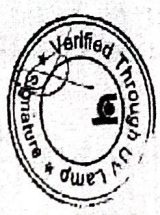
① B. S.
② J. S.
③ J. S.

Chya
HOD - CE

PROFESSOR AND HEAD
 Department of Civil Engineering
 Gokaraju Rangaraju Institute of
 Engineering and Technology,
 Bachupally, Kukatpally,
 Hyderabad-500 090

4. Patel
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4. Patel



Punjab National Bank

संकेत (ब्रान्च कोड)
BAOHI (PALLY) (Muzaffar) - ब्रांच कोड : 300093
RTGS/NFT IPS Code : PUN00100210

PAY Akula Prakash

₹ 90,000/-

शेक अर

₹ 90,000/-

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चैक तारीख
Savings A/c

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पंजाब नेशनल बैंक

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FOR HOD CIVIL DEPARTMENT

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Authorised signatory

1	3	0	3	2	0	2	5
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TO THE ORDER OF BEARER

पंजाब नेशनल बैंक लिमिटेड



Gokaraju Rangaraju Institute of Engineering & Technology

Department of Civil Engineering

List of Students for Autodesk - Revit for Architecture-VAC

Attendance Sheet

S. No	Roll No.	Name of the Student
1	20241A0110	Donaboina Sri Hari
2	20241A0112	G L N Raghuraman
3	20241A0113	G Harshith Kumar
4	20241A0115	Gunda Srikanth
5	20241A0116	Jangili Sravan Kumar
6	20241A0117	Janjigala Sruthi
7	20241A0119	K Nikhitha
8	20241A0121	K Kondal
9	20241A0122	Kammampati Udaykiran
10	20241A0123	karnae srithan
11	20241A0125	Kunta Nitin Reddy
12	20241A0127	mere mahesh
13	20241A0128	Mohammed Ahmed
14	20241A0129	MOTHUKURI LAXMAN
15	20241A0131	M Sushma Sri
16	20241A0132	Nayini Swetha
17	20241A0134	pannala sai kiran reddy
18	20241A0136	pathlavath shiva nayak
19	20241A0137	Pediboina Anusha
20	20241A0141	Radharapu Shaji Kumar
21	20241A0142	Ramavath Roja



Gokaraju Rangaraju Institute of Engineering & Technology

Department of Civil Engineering

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2	20241A0112	G L N Raghuraman
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5	20241A0116	Jangili Sravan Kumar
6	20241A0117	Janjirala Sruithi
7	20241A0119	K Nikhitha
8	20241A0121	K Kondal
9	20241A0122	Kammampati Udaykiran
10	20241A0123	karnie sritihan
11	20241A0125	Kunta Nitihin Reddy
12	20241A0127	mere mahesh
13	20241A0128	Mohammed Ahmed
14	20241A0129	MOTHUKURI LAXMAN
15	20241A0131	M Sushma Sri
16	20241A0132	Nayini Swetha
17	20241A0134	pannaia sai Kiran reddy
18	20241A0136	pathlavath shiva nayak
19	20241A0137	Peddiboina Anusha
20	20241A0141	Radharapu Shaji Kumar
21	20241A0142	Ramavathi Roja

S. No	Roll No.	Name of the Student	30/1/23	3/1/23	1/2/23	2/2/23	3/2/23	4/2/23	6/2/23	7/2/23	8/2/23	9/2/23
22	20241A0143	Rathavath Saiam Nayak	P.S.M	P.C.M	P.S.M	P.S.M	P.S.M	P.S.M	P.S.M	P.S.M	P.S.M	P.S.M
23	20241A0144	RaviTeja Pasunuthi	P.P. RaviTeja	P.P. RaviTeja	P.P. RaviTeja	P.P. RaviTeja	P.P. RaviTeja	P.P. RaviTeja	P.P. RaviTeja	P.P. RaviTeja	P.P. RaviTeja	P.P. RaviTeja
24	20241A0147	Sathvika Naria	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.
25	20241A0149	Sriram Pandavula	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.	S.P.
26	20241A0150	T Bhagavi	T.Bhagavi	T.Bhagavi	T.Bhagavi	T.Bhagavi	T.Bhagavi	T.Bhagavi	T.Bhagavi	T.Bhagavi	T.Bhagavi	T.Bhagavi
27	20241A0151	T Bhuvaneshwari	T.Bh	T.Bh	T.Bh	T.Bh	T.Bh	T.Bh	T.Bh	T.Bh	T.Bh	T.Bh
28	20241A0152	S Teja Retiesh Reddy	S.T. Retiesh	S.T. Retiesh	S.T. Retiesh	S.T. Retiesh	S.T. Retiesh	S.T. Retiesh	S.T. Retiesh	S.T. Retiesh	S.T. Retiesh	S.T. Retiesh
29	20241A0153	Tejavath Kalyani	T.K. Kalyani	T.K. Kalyani	T.K. Kalyani	T.K. Kalyani	T.K. Kalyani	T.K. Kalyani	T.K. Kalyani	T.K. Kalyani	T.K. Kalyani	T.K. Kalyani
30	20241A0154	prudhvi raj tellapuram	P.R. Prudhvi	P.R. Prudhvi	P.R. Prudhvi	P.R. Prudhvi	P.R. Prudhvi	P.R. Prudhvi	P.R. Prudhvi	P.R. Prudhvi	P.R. Prudhvi	P.R. Prudhvi
31	20241A0155	rohith thadem	R. Rohith	R. Rohith	R. Rohith	R. Rohith	R. Rohith	R. Rohith	R. Rohith	R. Rohith	R. Rohith	R. Rohith
32	20241A0156	Thummala Rajashekar	T. Rajashekar	T. Rajashekar	T. Rajashekar	T. Rajashekar	T. Rajashekar	T. Rajashekar	T. Rajashekar	T. Rajashekar	T. Rajashekar	T. Rajashekar
33	20241A0157	U Kameswara Sai Karthik	U. Kameswara	U. Kameswara	U. Kameswara	U. Kameswara	U. Kameswara	U. Kameswara	U. Kameswara	U. Kameswara	U. Kameswara	U. Kameswara
34	20241A0158	sreeram vattam	S. Sreeram	S. Sreeram	S. Sreeram	S. Sreeram	S. Sreeram	S. Sreeram	S. Sreeram	S. Sreeram	S. Sreeram	S. Sreeram
35	20241A0160	V Srikar	V. Srikar	V. Srikar	V. Srikar	V. Srikar	V. Srikar	V. Srikar	V. Srikar	V. Srikar	V. Srikar	V. Srikar
36	21245A0101	G Arun Kumar	G. Arun	G. Arun	G. Arun	G. Arun	G. Arun	G. Arun	G. Arun	G. Arun	G. Arun	G. Arun
37	21245A0102	K Sriiram	K. Sriiram	K. Sriiram	K. Sriiram	K. Sriiram	K. Sriiram	K. Sriiram	K. Sriiram	K. Sriiram	K. Sriiram	K. Sriiram
38	21245A0103	Manikonda Nikitha	M. Nikitha	M. Nikitha	M. Nikitha	M. Nikitha	M. Nikitha	M. Nikitha	M. Nikitha	M. Nikitha	M. Nikitha	M. Nikitha
39	21245A0104	prathyusha paridula	P. Prathyusha	P. Prathyusha	P. Prathyusha	P. Prathyusha	P. Prathyusha	P. Prathyusha	P. Prathyusha	P. Prathyusha	P. Prathyusha	P. Prathyusha
40	21245A0105	mouna pateru	M. Pateru	M. Pateru	M. Pateru	M. Pateru	M. Pateru	M. Pateru	M. Pateru	M. Pateru	M. Pateru	M. Pateru

Coordinators

① Dr OSD the Bindu - BL

② Mr C Vivek Kumar -

③ Mr A Prakash -

VT



Gokaraju Rangaraju Institute of Engineering & Technology

Department of Civil Engineering

List of Students for Autodesks - Revit for Architecture - VAC

Attendance Sheet

S. No	Roll No.	Name of the Student	30/11/23	31/11/23	1/12/23	2/12/23	3/12/23	4/12/23	6/12/23	7/12/23	8/12/23	9/12/23
1	19241A0119	J. Vyshnavi	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk
2	19241A0155	T. Swaranya	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk
3	19241A0168	C. Dhanya	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk
4	20245A0101	Aamanchi Bowmi	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk
5	20245A0106	E. Niharika										
6	20245A0108	G. Rishik Raj	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk
7	20245A0109	G. Naveen Kumar	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk
8	20245A0116	P. Nagabhushanam	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk
9	20245A0119	S. Manoj Kumar	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk
10	20245A0127	P. Sumanth	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk	Wk

Coordinators

- ① Dr OSD Hina Bida - Bul
- ② Mr C Virek Kumar -
- ③ Mr A Prakash -



Gokaraju Rangaraju Institute of Engineering & Technology
Department of Civil Engineering
List of Students for Autodesk - Revit for Architecture-VAC

EXAM Attendance Sheet

09/03/23

S. No	Roll No.	Name of the Student	Signature
1	20241A0110	Donaboina Sri Hari 914	[Signature]
2	20241A0112	G L N Raghuraman 914	[Signature]
3	20241A0113	G Harshith Kumar 892	[Signature]
4	20241A0115	Gunda Srikanth 850	[Signature]
5	20241A0116	Jangili Sravan Kumar 914	[Signature]
6	20241A0117	Janjirala Sruthi 871	[Signature]
7	20241A0119	K Nikhitha 807	[Signature]
8	20241A0121	K Kondal	
9	20241A0122	Kammampati Udaykiran 914	[Signature]
10	20241A0123	karne srithan	
11	20241A0125	Kunta Nithin Reddy 892	[Signature]
12	20241A0127	mere mahesh 892	[Signature]
13	20241A0128	Mohammed Ahmed	
14	20241A0129	MOTHUKURI LAXMAN 914	[Signature]
15	20241A0131	M Sushma Sri 892	[Signature]
16	20241A0132	Nayini Swetha 892	[Signature]
17	20241A0134	pannala sai kiran reddy 892	[Signature]
18	20241A0136	pathlavath shiva nayak 892	[Signature]
19	20241A0137	Peddiboina Anusha 871	[Signature]
20	20241A0141	Radharapu Shaji Kumar 850	[Signature]
21	20241A0142	Ramavath Roja 850	[Signature]
22	20241A0143	Rathlavath Sairam Nayak 914	[Signature]
23	20241A0144	RaviTeja Pasunuthi 892	[Signature]
24	20241A0147	Sathvika Narla	
25	20241A0149	Sriram Pandavula 914	[Signature]
26	20241A0150	T Bhargavi 935	[Signature]
27	20241A0151	T Bhuvaneshwari 914	[Signature]
28	20241A0152	S Teja Retiesh Reddy 914	[Signature]
29	20241A0153	Tejavath Kalyani 898	[Signature]
30	20241A0154	prudhvi raj tellapuram 871	[Signature]
31	20241A0155	rohith thadem 914	[Signature]
32	20241A0156	Thummala Rajashekar 892	[Signature]
33	20241A0157	U Kameswara Sai Karthik	
34	20241A0158	sreeram vatterm 892	[Signature]
35	20241A0160	V Srikar 892	[Signature]
36	21245A0101	G Arun Kumar 892	[Signature]
37	21245A0102	K Sriram 892	[Signature]
38	21245A0103	Manikonda Nikitha 914	[Signature]
39	21245A0104	prathyusha paridula 850	[Signature]
40	21245A0105	mouna pateru 850	[Signature]

Coordinators

- ① Dr OSD Hina Bidi - [Signature]
- ② Mr C Vek Kumar - [Signature]
- ③ Mr A Prakash - [Signature]



Gokaraju Rangaraju Institute of Engineering & Technology

Department of Civil Engineering

List of Students for Autodesk - Revit for Architecture - VAC

Exam Attendance Sheet

09/03/23

S. No	Roll No.	Name of the Student	Signature
1	19241A0119	J.Vyshnavi 828	Vyshnavi 828
2	19241A0155	T.Swaranya 871	Swaranya
3	19241A0168	C.Dhanya 892	Dhanya
4	20245A0101	Aamanchi Bowmi 871	A. Bowmi
5	20245A0106	E.Niharika	
6	20245A0108	G.Rishik Raj 914	G. Rishik Raj
7	20245A0109	G.Naveen Kumar 914	G. Naveen Kumar
8	20245A0116	P.Nagabhushanam 914	P. Nagabhushanam
9	20245A0119	S.Manoj kumar 871	S. Manoj Kumar
10	20245A0127	P.Sumanth 892	P. Sumanth

Coordinators

- ① Dr. OSD Hma Badu - B.L
- ② Mr. C Vivek Kumar - [Signature]
- ③ Mr. A Prateesh - [Signature]



Department of Civil Engineering

GRIET/ 6C/G/22-23

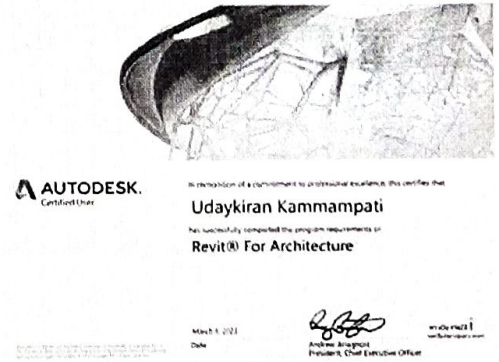
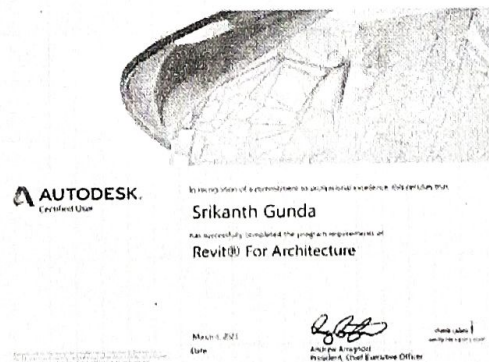
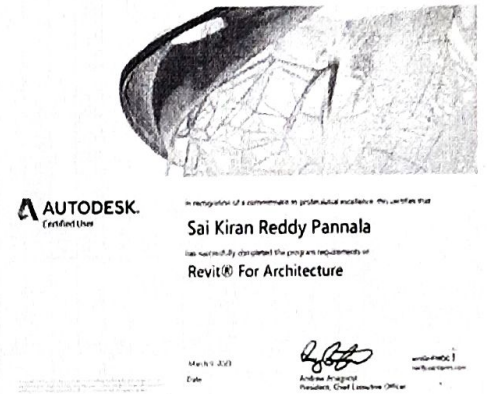
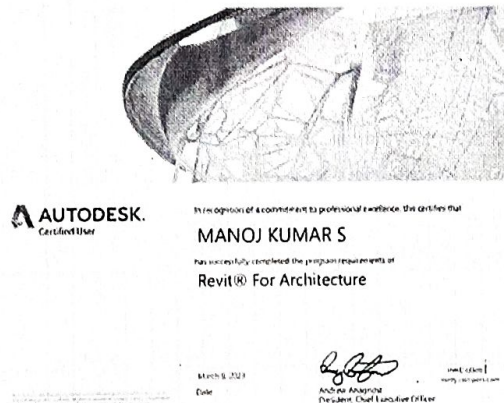
EVENT SUMMARY REPORT

GRIET /Other institutes/Organization	GRIET				
Department	CIVIL ENGINEERING				
Nature of the Event (Co & Extra Curricular Activities -Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Any Prof. Body events/Presentation/Conference/ Industry Visit)	Value Added Course				
Title / Theme of the Event	Revit for Architecture				
Details of the Coordinator& Designation	Dr. OSD Hima Bindu, Associate Professor of Civil Engineering Mr. C Vivek Kumar, Assistant Professor of Civil Engineering Mr A Prakash, Assistant Professor of Civil Engineering				
Event Dates/Days	From	To	No. of Days		
	17.01.2023	09.02.2023	20		
Details of the Speaker / Guest Organization Address:	Ms. Kotha Kalyani Lead Technical Trainer, ICT ACADEMY, Telangana				
Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No. of Faculty	No. of UG students	No. of PG Students	No. of outside participants	Total Participants
	-	III-40 IV-10	-	-	50
Faculty Names & Designation	-				

Summary of the Event	Discussed the following points by ICT Academy 1. Introduction to Revit for Architecture 2. Real Time Application of Revit for Architecture 3. Role of BIM in Construction and Education 4. BIM Applications and Benefits 5. Introducing to Autodesk account creation/verification 6. Steps to install software, Revit Discipline, Graphical User Interface 7. Setting up Levels and Grids & Modeling and Modifying Walls 8. Developing Building Models, Model Text and Annotating Construction Documents, Adding Room and Area Tags with Color Legends 9. Creation of Sample floor plan 10. Massing & Site, Viewing the Model and working with Schedules, Presentation Tools and Construction Documents
IRG (in rupees) Deposited A/C no A/C name and date and other details (Enclose proof-A/C statement)	Rs. 1,02000/-
Expenditure (in rupees) (Enclose proof-bills)	Rs. 2,00,000/-
POs attained with this Event (Number and description)	PO1: apply knowledge of mathematics, science, & fundamentals of Civil Engineering. PO3: Design a system component, or process to meet desired needs in Civil Engineering within realistic constraints. PO5: Use modern engineering tools such as CAD and GIS for the Civil Engineering practice PO9: Work effectively as an individual or in a team and to function on multi-disciplinary context. PO10. Communicate effectively with engineering community and society.
Photographs of the event (Hard copy and Soft copy)	



Proofs:
1.Certificates copies
2.Profile of Speaker
3.PPT/Material as applicable. etc.,



Signature of Coordinators

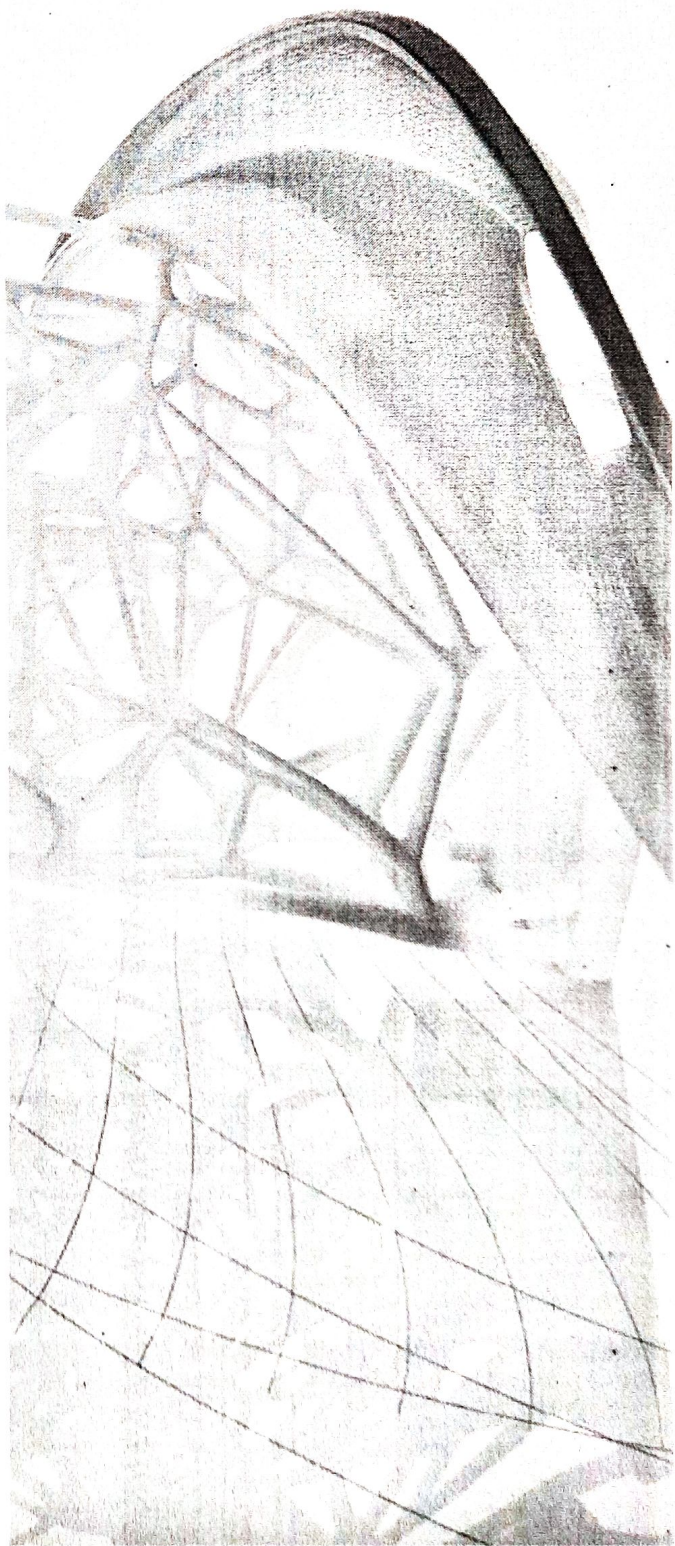
Signature of Convenor

① Beda
 ② [Signature]
 ③ [Signature]



Gokaraju Rangaraju Institute of Engineering & Technology
Department of Civil Engineering
Value Added Course - Revit for Architecture
FEEDBACK RESPONSES

NAME OF THE PARTICIPANT	Roll Number	How effective was the Program	How was the contents of the Program	Do you feel that the trainer is supportive and interactive?	Are you feeling confident after completing the training session?	Provided training material and contents are helpful to you?	Would you like more technical Training Programs in future	How will you rate overall Training	What is your feelings at the end of the training program? Are you competent and confident with the training session? Please share your feedback and any concerns do you have?
Sathvika Narla	20241A01414	4	5	5	4	4	4	5	Yes
Sumanth	20245a01275	5	5	5	5	5	5	5	I had a good experience
PATERU MOUNA	21245A01045	5	5	5	5	5	5	5	I felt very happy that I have learnt a new software and I'm confident
Kadurabad Sriram	21245A01024	4	4	4	4	4	4	4	Yes I am confident but I need to practice more to get more knowledge about it
K SRITHAN	20241A01235	5	5	5	5	5	5	4	Nothing
Swarna Thallapally	19241A01535	5	5	5	4	4	5	5	I would have felt even more competent and confident if the program duration is more
KUNTA NITHIN RED	20241A01245	5	5	5	5	5	4	5	Good
GANDLA RISHIK RA	20245A01045	5	5	5	5	5	5	5	I had a good experience and learnt new things
MERE MAHESH	20241A01214	4	4	4	4	4	4	4	Good program
V Subar	20241A01645	5	5	5	5	5	5	5	GOOD
Nagabhusanann	20245A01165	5	5	5	5	5	5	5	Feeling good about conducting this training for us and we learned something new about how to model a building in Bim application
GUMADAVELLI AR	21245A01015	5	5	5	5	5	5	5	Learned a lot
PATHLAVATH SHIV	20241A01365	5	5	5	5	5	5	5	Good
TELLAPURAM PRU	20241A01545	5	5	5	5	5	5	5	Good
Paridula Prathyusha	21245A01045	5	5	5	5	5	5	5	Yes
Sreeram varann	20241A01584	4	4	5	5	4	4	4	It was great.
Dhanva Chiruboyina	19241A01644	4	4	4	3	3	4	4	Gained Basic knowledge in revit software
R Roja	20241A01424	4	4	4	4	4	4	5	Yes ,we are confident with our training session
RAVI TEJA PASUNU	20241A01444	4	4	4	4	4	4	4	Yes
Mula sushma sri	20241a01314	4	4	3	3	3	5	3	Needed extra classes
Nikhitha	20241A01144	3	4	4	3	3	3	4	Good
Sweetha Nayini	20241A01324	5	3	3	3	3	5	4	Needed to take some more classes
Tegavath kalayani	20241A01514	4	4	4	4	4	4	4	Good
Anusha Peddiboina	20241A01314	4	4	4	4	4	4	4	Good
T Bhargavi	20241A01544	4	4	4	4	4	5	4	I think it is good if they provide questions for practice for exam
T Rajashekar	20241A01544	4	4	5	5	4	5	4	Wonderful session
T Rohith	20241A01544	4	4	4	5	4	5	4	I enjoyed the program very well. Yes i m quiet confident that i can perform well
G Harshith Kumar	13	4	4	4	4	4	4	4	It was a very good training session. It helped me to learn new software
T Bhuvaneswari	20241A01515	5	5	5	5	5	5	5	Good
K KONDAL	20241A01214	4	4	4	4	4	4	4	No
J SRAVAN KUMAR	20241A01165	5	5	5	3	4	5	4	Yeah i am confident if i do Some practice
RATHLA VAATH SAI	20241A01413	3	3	2	3	2	3	4	Good



In recognition of a commitment to professional excellence, this certifies that

Sriram Kadirabad

has successfully completed the program requirements of

Revit® For Architecture

March 9, 2023

Date

Andrew Anagnost
President, Chief Executive Officer

www.GK-FMOC |
verify.certuport.com



In recognition of a commitment to professional excellence, this certifies that

mahesh mere

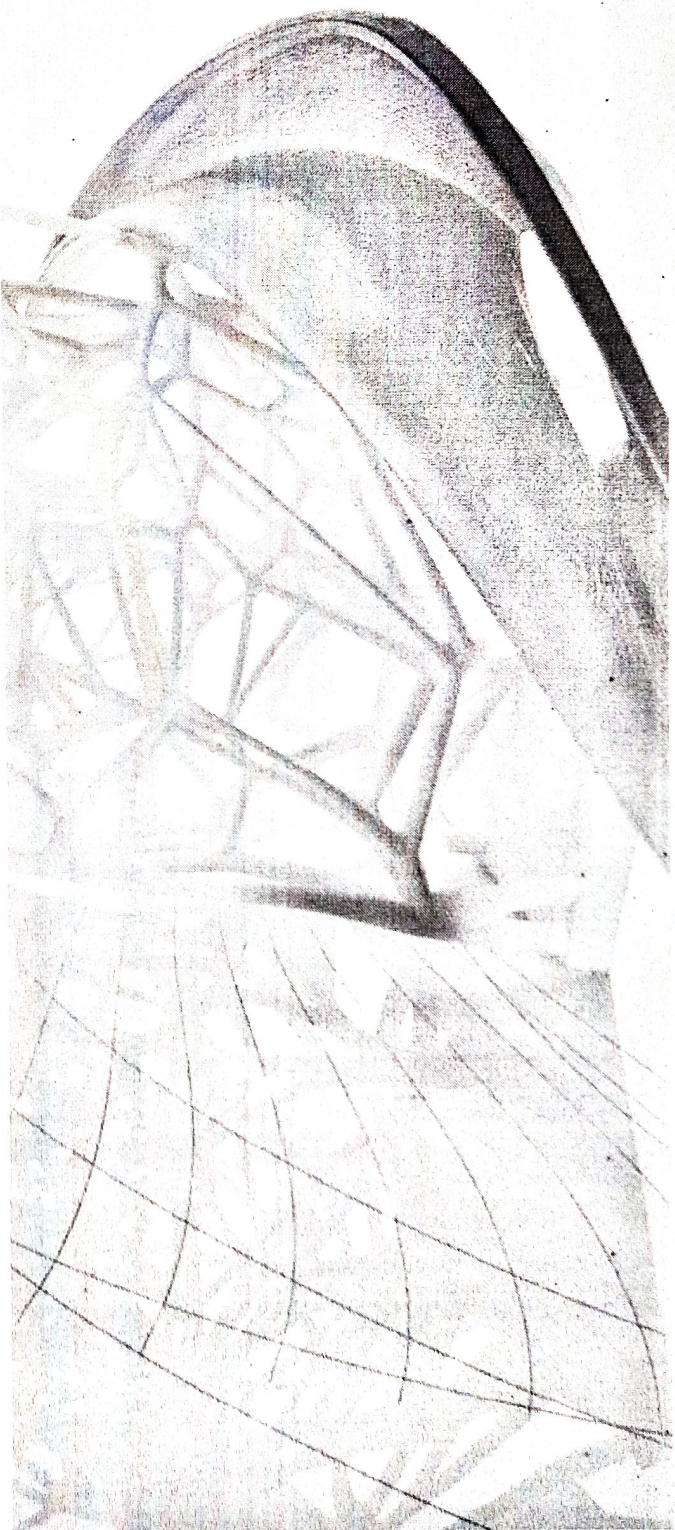
has successfully completed the program requirements of

Revit® For Architecture

March 9, 2023

Andrew Anagnost
President, Chief Executive Officer

a4XM-SFKQ |
verify.certuport.com



Certified User

In recognition of a commitment to professional excellence, this certifies that

Srikanth Gunda

has successfully completed the program requirements of

Revit® For Architecture

March 9, 2023

Date

Andrew Anagnost
President, Chief Executive Officer

rhm9-uGco |
verify.certipoint.com



DEPARTMENT OF CIVIL ENGINEERING

Ref No: GRIET/CE/IC/G/22-23

02 January 2023

From,
Dr C. Lavanya
Professor & HOD
Civil Engineering Dept

To
The Principal,
GRIET,
Hyderabad.

Subject: Value Added Course on Problem Solving using C Language Reg.,
Sir,

With reference to the above subject, we the Department of Civil Engineering introduce Value Added Course on "Problem Solving using C Language" in associate with placement office, for II-year B. Tech Civil Engineering. Certificates will be awarded to all students who clear both Internal and External examination. The examination pattern is 30 marks for Internal Examination and 70 marks for External Examination. Kindly provide the subject code for the proposed Value-Added Course. Timetable and syllabus are enclosed below.

Thanks & Regards

[Signature]
Dr, C. Lavanya
Professor & HOD
Civil Engineering Dept
PROFESSOR AND HEAD
Department of Civil Engineering
Goreangaru Institute of
Engineering and Technology
Bachupally, Kukatpally,
Hyderabad-500 090

[Signature]

Principal

approved with a Course Code
as GR22V8007

[Signature]
3/1/23

Value Added Course

on

Problem Solving using C Language



Gokaraju Rangaraju

Institute of Engineering and Technology
(Autonomous)

Bachupally, Hyderabad,
Telangana. India-500090

Office: 7207344440, 7207714441

www.griet.ac.in

About the Institute

Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is established in 1997 by Dr. G Gangaraju as a self-financed institute under the aegis of Gokaraju Rangaraju Educational Society. GRIET is approved by AICTE, New Delhi, permanently affiliated to and autonomous under JNTUH, Hyderabad. GRIET is committed to quality education and is known for its innovative teaching practices.

The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social relevance. Presently GRIET has 9 UG and 6 PG programs. The programs are NBA accredited in CE, CSE, ECE, EEE, IT, and ME. CSBS, AI&ML, DS are new colleges. The institute is accredited by NAAC with 'A++' grade.

About the Department

The Department of Civil Engineering is established in the year 2008, with an intake of 60 students. It is a fast-growing discipline in tune with the infrastructure growth.

The department has master's programs in Structural Engineering, established in the year 2014 with an intake of 18 students which is further increased to 30 students from the academic year 2017. The department has well equipped laboratories with an emphasis on practical skills and fundamentals. The Department has well experienced and talented faculty which includes nine doctorates.



Course Objective:

The objective of the course is to equip the student with problem solving skills using C Language.

Course Outline:

The students are made to write C programs on their own for sets of both mathematical and other engineering problems after exposing them to the different constructs of C language namely Input/output, assignments, iteration and control structures. Basic understanding of File handling using c, Structures and Unions.

1. Practice Sessions Conducted in Moodle.
2. Regular assignments and quizzes are also conducted in Moodle

Course Contents

1. Introduction and Real time applications of C language,
2. Basics of C language , C-tokens, Variables and basic datatypes.
3. Different types of Operators like Arithmetic, relational, and logical operators, Increment and decrement operators, conditional, assignment, bitwise and special operators.

4. Functions –Basic concepts, Types, Categories of functions, Recursive Function – Introduction, Examples
5. Introduction to Arrays- 1D Arrays, 2 D Arrays, linear search, binary search and basic sorting technique using bubble sort etc.,
6. Introduction to Strings, description and use of various string functions of string library
7. Introduction to pointers and basic File operations

Important Dates

VAC Duration :

04th January to 02nd February 2023

(Daily 02:30 PM – 04:00PM)

Targeted Audience

Students of II B. Tech Civil Engineering

Resource Person

1. Mrs. Geeta Mahadeo Ambildhuke,
Assistant Professor, CSE Department
2. Mr. Arun Kumar
Assistant Professor, CSE Dept.

Patrons

Dr. Jandhyala N. Murthy,
Director, GRIET

Dr. J. Praveen,
Principal, GRIET

Dr. K. V. S. Raju,
Senior Administrative officer, GRIET

Convenor

Dr. C. Lavanya,
Professor & HOD, CE, GRIET

Coordinators

1. Mr. Akula Prakash
Assistant Professor, CE, GRIET
2. Ms. K. Hemalatha
Assistant Professor, CE, GRIET





Gokaraju Rangaraju Institute of Engineering and Technology

Department of Civil Engineering

Timetable for Value Added Course AY: 2022-23 (II-Semester)

w.e.f : 04 th January 2023				
Day	08:50am – 11:20am	11:20am -12:00pm	12:00pm – 02:30pm	2:30pm-4:00pm
Monday	Regular Classwork	LUNCH BREAK	Regular Classwork	VAC- C Language
Tuesday	Regular Classwork		Regular Classwork	VAC- C Language
Wednesday	Regular Classwork		Regular Classwork	VAC- C Language
Thursday	Regular Classwork		Regular Classwork	VAC- C Language
Friday	Regular Classwork		Regular Classwork	VAC- C Language
Saturday	Regular Classwork		Regular Classwork	VAC- C Language

Sub. Code	Sub. Short form	Subject	Speaker Name
	VAC- C Language	Problem Solving using C Language	1. Geeta Mahadeo Ambildhuke Emp ID: 1671 CSE Department (Training Coordinator) 2. Arun Kumar Emp ID: 1661 CSE Dept. (Moodle Coordinator)

[Signature]
2/1/23
HOD-CE

PROFESSOR AND HEAD
Department of Civil Engineering
Gokaraju Rangaraju Institute of
Engineering and Technology
Bachupally, Kukatpally,
Hyderabad-500 090

One Credit Course

Course Title : Problem Solving using C Language

Course Objective: The objective of the course is to equip the student with problem solving skills using C Language.

Course Outline: The students are made to write C programs on their own for sets of both mathematical and other engineering problems after exposing them to the different constructs of C language namely Input/output, assignments, iteration and control structures. Basic understanding of File handling using c, Structures and Unions.

1. Practice Sessions Conducted in Moodle.
2. Regular assignments and quizzes are also conducted in Moodle

Syllabus:

1. Introduction of C Language, Real time applications of C language, Introduction to the structure of C program, Input/output formatting using scanf and printf functions.
2. Basics of C language , C-tokens, Variables and basic datatypes.
3. Different types of Operators like Arithmetic, relational, and logical operators, Increment and decrement operators, conditional, assignment, bitwise and special operators.
4. Introduction to Conditional statements- Simple-if and if-else statement, Else-if ladder statement, Nested – If and Switch case statement.
5. Description of Various Looping Structure- While loop statement, For loop statement, Do-while loop statement
6. Functions –Basic concepts, Types, Categories of functions, Recursive Function – Introduction, Examples
7. Introduction to Arrays- 1D Arrays, 2 D Arrays, linear search, binary search and basic sorting technique using bubble sort
8. Introduction to Strings, description and use of various string functions of string library
9. Introduction to pointers and basic File operations
10. Introduction to structures and unions

Session Plan

Session1: Introduction to C Programming language, Structure of C program and basic Input/Output operations using Scanf and Printf functions.

Session2: Basics of C Language – Tokens, Data Types

Session 3: Practice on basics of data types, variables and I/O functions

Session 4: Arithmetic, relational, and logical operators, Increment and decrement operators, conditional, assignment and special operators.

Session 5: Practice session on Arithmetic, relational, and logical operators

Session 6: Practice session on, Increment and decrement operators, conditional, assignment and special operators.

Session 7: Special Operators, Operator's precedence, operators associativity, Expression evaluation rules.

Session 8: Bit- wise operators.

Session 9: Practice on Bitwise operators

Session 10: Simple-if and if-else statement

Session 11: Practice Session on simple if and if-else statement

Session 12: Else-if ladder statement, Nested – If and Switch case statement.

Session 13: Practice session on simple Else-if ladder, , Nested – If and Switch case

Session 14: While loop statement, For loop statement, Do-while loop statement

Session 15: Practice session on all loops

Session 16: Functions –Basic concepts, Types, Categories of functions

Session 17: Practice session on functions

Session 18: Recursive Function – Introduction, Examples

Session 19: Recursive Function – practice

Session 20: Arrays – 1 Dimensional array

Session 21: Practice session on Arrays

Session 22: Linear search, Binary Search, Sorting on arrays

Session 23: Practice session on searching and sorting of arrays

Session 24: Arrays – 2 Dimensional array

Session 25: Introduction to strings , basic String functions

Session 26: Practice of strings and String Functions

Session 27: Introductions to Pointers and Redirecting I/O – Files & File Operations.

Session 28: Practice problems on File operations

Session 29: Introduction to Structures and Unions

Session 30: Practice session on structure

Targeted Audience :

1. B. Tech (Civil) II Year Students

Resource Persons

1. Mrs. Geeta Mahadeo Ambildhuke, (Training Coordinator)
Assistant Professor, CSE Department
2. Mr. Arun Kumar (Moodle Coordinator)
Assistant Professor, CSE Dept.



Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

Value Added Course on Problem Solving using C Language

OVERALL TRAINING SCHEDULE

Day / Time	2.30 pm to 4.00 pm
Monday	C- LAB
Tuesday	Theory Session
Wednesday	C-LAB
Thursday	C-LAB
Friday	Theory Session
Saturday	Theory Session

Theory Sessions	
S.No.	Date
Session -1	4.01.2023
Session -2	6.01.2023
Session -3	7.01.2023
Session -4	10.01.2023
Session -5	13.01.2023
Session -6	17.01.2023
Session -7	20.01.2023
Session -8	21.01.2023
Session -9	24.01.2023
Session -10	27.01.2023
Session -11	28.01.2023
Session -12	31.01.2020
Session -13	03.02.2023
Session -14	04.02.2023

Lab- Sessions	
S.No.	Date
Session-1	05.01.2023
Session-2	09.01.2023
Session-3	11.01.2023
Session-4	12.01.2023
Session-5	18.01.2023
Session-6	19.01.2023
Session-7	23.01.2023
Session-8	25.01.2023
Session-9	30.01.2023
Session-10	01.02.2023
Session-11	02.02.2023

Coordinator

1)

[Signature]
21/1/2023

2)

[Signature]
21/1/2023

[Signature]
21/1/23
HOD

PROFESSOR AND HEAD
Department of Civil Engineering
Gokaraju Rangaraju Institute of
Engineering and Technology
Bachupally, Kukatpally,
Hyderabad-500 090



Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

Value Added Course on Problem Solving using C Language

LIST OF REGISTERED PARTICIPANTS

dt: 31/12/2023

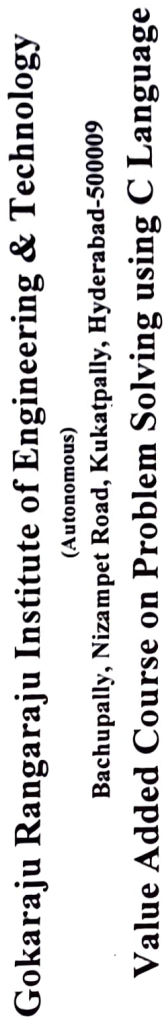
S. No	Roll No.	Name of the Student	Email ID	Phone Number
1	21241A0101	ADAKULAPALLY ANIL	anil21241a0101@grietcollage	9121461236
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19	21241A0138	OLETI DHANA LAXMI VARMA	oletivarma2002@gmail.com	6304239841
20	21241A0143	RAMAVATH NAGESH	nagesh21241a0143@grietcollage.com	8897240512
21	21241A0151	TALARI SRIKEERTHAN	Srikeerthan2124a0151@grietcollage.com	9573673750
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23	22245A0101	AKULA RAKSHITH	rakshith22245A0101@grietcollage.com	8897974659
24	22245A0102	ANAGANI SUSHMA	sushma22245a0102@grietcollage.com	6300554650
25	22245A0103	AFSANA	afsana22245a0103@grietcollage.com	9398053897
26	22245A0104	DEEKONDA AKSHITHA	akshitha22245a0104@grietcollage.com	9603409339
27	22245A0105	GANAPURAM SAI BHANVITHA	saibhanvitha22245a0105@grietcollage.com	8688150400
28	22245A0106	GURRAM ABHISHEK	abhishek22245a0106@grietcollage.com	8106124732
29	22245A0107	J RUSHIKESH	rushikesh22245a0107@grietcollage.com	8688469603
30	22245A0108	JANGAM RAJESHWARI	rajeshwari22245a0108@grietcollage.com	7032693025
31	22245A0109	JANGAPELLI VASU	vasu22245a0109@grietcollage.com	8688415521
32	22245A0110	MARAPPELLY ASHRITHA	ashritha22245a0110@grietcollage.com	8309170811
33	22245A0111	NEELI BHAVESH	bhaves22245a0111@grietcollage.com	7794872776
34	22245A0112	NANDI SRINIVASA SAI MURARI	murari22245a0112@grietcollage.com	9959414178
35	22245A0113	VIGNAN NANDIGAM	vignan22245a0113@grietcollage.com	8977222551
36	22245A0114	ORSU AJAYKUMAR	Ajaykumar22245a0114@grietcollage.com	8500600183

Coordinator

1) 31/12/2023

2) 31/12/2023

PROFESSOR AND HEAD
Department of Civil Engineering
Gokaraju Rangaraju Institute of
Engineering and Technology
Bachupally, Nizampet Road, Hyderabad-500 009

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Gokaraju Rangaraju Institute of Engineering & Technology
(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

Value Added Course on Problem Solving using C Language

DAY WISE ATTENDANCE - LAB SESSIONS

S. No	Roll No.	Session 1 05.01.2023	Session 2 09.01.2023	Session 3 11.01.2023	Session 4 12.01.2023	Session 5 18.01.2023	Session 6 19.01.2023	Session 7 23.01.2023	Session 8 25.01.2023	Session 9 30.01.2023	Session 10 01.02.2023	Session 11 02.02.2023
1	21241A0101	P	P	P	P	P	P	P	P	P	P	P
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3	21241A0105	P	P	P	P	P	P	P	P	P	P	P
4	21241A0107	P	P	P		P	P		P	P	P	P
5	21241A0109	P	P	P	P	P	P	P	P		P	P
6	21241A0111	P		P	P	P	P	P	P	P	P	P
7	21241A0112	P	P	P	P		P	P	P	P	P	P
8	21241A0114	P	P	P	P	P	P	P	P	P	P	P
9	21241A0116	P	P		P	P	P	P	P	P		P
10	21241A0121	P	P	P	P	P	P	P	P	P	P	P
11	21241A0122	P		P	P	P	P		P	P	P	P
12	21241A0126	P	P	P	P	P	P	P	P	P	P	P
13	21241A0127	P	P		P	P	P	P	P	P	P	P
14	21241A0128	P	P	P	P	P	P	P		P	P	P
15	21241A0131	P	P		P	P	P	P	P	P	P	P
16	21241A0132	P	P	P	P	P	P	P	P	P	P	P
17	21241A0133	P	P	P	P	P		P	P	P	P	P
18	21241A0134	P	P		P	P	P	P	P		P	P
19	21241A0138	P	P	P	P		P	P	P	P	P	P

20	21241A0143	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	21241A0151	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	21241A0153	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	22245A0101	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	22245A0102	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	22245A0103	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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27	22245A0105	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	22245A0106	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	22245A0107	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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31	22245A0109	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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33	22245A0111	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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35	22245A0113	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	22245A0114	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Coordinating

1) July - 2023

2) 2023



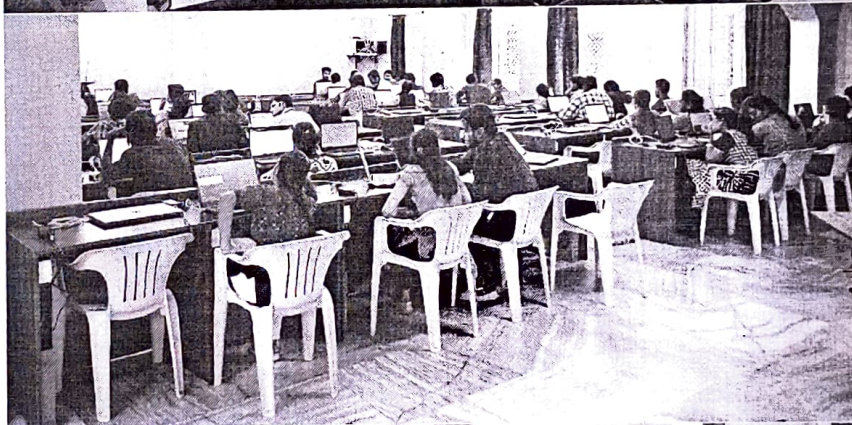
GRIET/6C/G/22-23

EVENT SUMMARY REPORT

Griet /Other institutes/Organization Address:	GRIET				
Department	Civil Engineering	Professional Body	Institutional Body		
Nature of the Event (Co & Extra Curricular Activities -Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Any Prof. Body events/Presentation/ Conference/ Industry Visit)	Value Added Course				
Title / Theme of the Event	Problem Solving using C Language				
Details of the Coordinator& Designation	Convenor Dr. C. Lavanya, Professor & HOD, CE, GRIET Coordinators 1. Mr. Akula Prakash Assistant Professor, CE, GRIET 2. Ms. K. Hemalatha Assistant Professor, CE, GRIET				
Event Dates/Days	From	To	No. of Days		
	04/01/2023	02/02/2023	25		
Details of the Speaker / Guest Organization Address:	1. Mrs. Geeta Mahadeo Ambildhuke, Assistant Professor, CSE Department 2. Mr. Arun Kumar Assistant Professor, CSE Dept.				
Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No.of Faculty	No. of UG students	No.of PG Student s	No.of outside participants	Total Participants
	-	36	-	-	36

Faculty Names & Designation	-
Summary of the Event	Following topics were covered during the entire training sessions 1. Introduction of C Language, Real time applications of C language, Introduction to the structure of C program, Input/output formatting using scanf and printf functions. 2. Basics of C language , C-tokens, Variables and basic datatypes. 3. Different types of Operators like Arithmetic, relational, and logical operators, Increment and decrement operators, conditional, assignment, bitwise and special operators. 4. Introduction to Conditional statements- Simple-if and if-else statement, Else-if ladder statement, Nested – If and Switch case statement. 5. Description of Various Looping Structure- While loop statement, For loop statement, Do-while loop statement 6. Functions –Basic concepts, Types, Categories of functions, Recursive Function – Introduction, Examples 7. Introduction to Arrays- 1D Arrays, 2 D Arrays, linear search, binary search and basic sorting technique using bubble sort 8. Introduction to Strings, description and use of various string functions of string library 9. Introduction to pointers and basic File operations 10. Introduction to structures and unions
IRG (in rupees) Deposited A/C no A/C name and date and other details (enclose proof-A/C statement)	Nil
Expenditure (in rupees) (Enclose proof-bills)	Nil
POs attained with this Event (number and description)	1. Apply knowledge of mathematics, science and fundamentals of Civil Engineering. 2. Analyze problem and interpret the data. 4. Identify, formulate, analyze and interpret data to solve Civil Engineering problems. 6. Understand the impact of engineering solutions in a global, economic and societal context. 9. Work effectively as an individual or in a team and to function on multi disciplinary context. 10. Communicate effectively with engineering community and society.

**Photographs of the
event**
(Hard copy and Soft copy)





GOKARAJU RANGARAJU
Institute of Engineering and Technology



Problem Solving using C Language

04th January to 02nd February 2023

Organized by
Department of Civil Engineering

Certificate of Participation

This is to certify that **B. SWATHI** Bearing Roll Number 21241A0107 Pursuing II B. Tech I Semester in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on Problem Solving using C Language organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023


Mr. Akula Prakash
Course Coordinator, CE


Dr. G. LAVANYA
Convener & HOD, CE


Dr. J. PRAVEEN
Principal, GRJET

Proofs:

1. Certificates copies
2. Profile of Speaker
3. PPT/Material as applicable. etc.,



GOKARAJU RANGARAJU
Institute of Engineering and Technology



Problem Solving using C Language

04th January to 02nd February 2023

Organized by
Department of Civil Engineering

Certificate of Participation

This is to certify that **KUPPALA NAGA NARENDRA** Bearing Roll Number 21241A0132 Pursuing II B. Tech I Semester in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on Problem Solving using C Language organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023.


Mr. Akula Prakash
Course Coordinator, CE


Dr. G. LAVANYA
Convener & HOD, CE


Dr. J. PRAVEEN
Principal, GRJET


GOKARAJU RANGARAJU
 Institute of Engineering and Technology
 VALUE ADDED COURSE
 on




Problem Solving using C Language

04th January to 02nd February 2023
 Organized by
 Department of Civil Engineering

Certificate of Participation

This is to certify that **G.NAPURAM SAI BHANVITHA** Bearing Roll Number **22245A0105** Pursuing **II B. Tech I Semester** in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on Problem Solving using C Language organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023


 Mr. Akula Prakash
 Course Coordinator, CE


 Dr. C. LAVANYA
 Convener & HOD, CE


 Dr. J. PRAVEEN
 Principal, GRIET


GOKARAJU RANGARAJU
 Institute of Engineering and Technology
 VALUE ADDED COURSE
 on




Problem Solving using C Language

04th January to 02nd February 2023
 Organized by
 Department of Civil Engineering

Certificate of Participation

This is to certify that **JANGAM RAJESHWARI** Bearing Roll Number **22245A0108** Pursuing **II B. Tech I Semester** in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on Problem Solving using C Language organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023


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 Course Coordinator, CE


 Dr. C. LAVANYA
 Convener & HOD, CE


 Dr. J. PRAVEEN
 Principal, GRIET

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Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

Value Added Course on Problem Solving using C Language

INTERNAL ASSESSMENT QUESTION PAPER

Q1 to Q5 (Each carry 1 mark)

1. C is a which level language.?

- A. Low Level
- B. High Level
- C. Low + High
- D. None

2. An Identifier can start with.?

- A. Alphabet
- B. Underscore (_) sign
- C. Any character that can be typed on a keyboard
- D. Option A & Option B

3. Choose a correct statement.

- A. C Compiler converts your C program into machine readable language.
- B. C Editor allows you to type C Programs. It is just like a Notepad with extra options.
- C. Console shows the output of a C Program if it is text output.
- D. All the above

4. Range of signed char and unsigned char are.?

- A. -128 to +127 and 0 to 255
- B. 0 to 255 and -128 to +127
- C. -128 to -1 and 0 to +127
- D. 0 to +127 and 128 to -1

5. Which printf() statement will you use to print out a (float value) and b (double value)?

Float a = 3.14;

Double b = 3.14;

- A. printf("%f %lf", a, b);
- B. printf("%f %f", a, b);
- C. printf("%Lf %Lf", a, b);
- D. printf("%f %Lf", a, b);

Q6 to Q15 (Each carry 2 marks)

6. Which is the correct output


```
#include<stdio.h>
```

```
main()
```

```
{
```

```
    float t = 2;
```

```
    switch(t)
```

```
    {
```

```
        case 2: printf("Hi");
```

```
        default: printf("Hello");
```

```
    }
```

```
}
```

A. Hi

B. Hi Hello

C. Hello

D. Error

7. Choose right statement.

```
int main()
```

```
{    float c = 3.5 +
```

```
4.5;
```

```
    printf("%f", c);
```

```
    return 0;
```

```
}
```

A. 8.0

B. 8.000000

C. 8

D. 7

8. Choose a right statement.

```
int a = 5/2;
```

```
int b = 5.0/2;
```

```
float c = 5 /
```

```
2; float d =
```

```
5/2.0;
```

A. a = 2, b = 2, c = 2.0, d= 2.5

B. a = 2, b = 2.0, c = 2, d= 2.0

C. a = 2, b = 2.5, c = 2.5, d= 2.5

D. a = 2.5, b = 2.5, c = 2.5, d= 2.5

9. What is the output ? int main()

```

{   int i = -3;   int k = i%2;
  int p = i%-2;   printf(" k=%d
    p=%d", k, p);   return 0; }

```

A. k=-1 p=1

B. k=-1 p=-1

C. k=1 p=1

D. k=1 p=-1

10. which is the correct output ? #include<stdio.h>

```

int main()
{
  int i = -3;
  int j = 5;   int k = i++ + --j;
  printf(" i=%d j= %d k=%d", i, k,
    p);
  return 0;
}

```

A. i=-4 j= 4 k=0

B. i=-2 j= 5 k=-2

C. i=-2 j= 4 k=1

D. i=-3 j= 5 k=2

11. What will be the output ? #include<stdio.h>

```

int main()
{   int
  x=0;
  if(x=0)
    printf(" It is Zero \n");
  else
    printf(" It is not Zero \n");
}

```

A. It is Zero

B. It is not Zero

C. Runtime Error

D. None

12. what will be the output of the following code?

```

#include<stdio.h>
int main()
{
  int count,digit=0;
  count=1;
  while(digit<=9)
  {
    printf("%d
      ",++count);
  }
}

```



```

        digit++;
    }
}

```

- A. 2 3 4 5 6 7 8 9 10 11
 - B. 1 2 3 4 5 6 7 8 9 10
 - C. 2 3 4 5 6 7 8 9 10
 - D. 1 2 3 4 5 6 7 8 9 10
- 11

13. If the following variables are set to values as shown below then what will be the value of expression

```

answer =2 ;
marks=10;
!((answer<10)&& (marks>2));

```

- A. 1
- B. 0
- C. -1
- D. 2

14. What will be the output

```

#include<stdio.h>
int main()
{
    int i=65;
    char j='A';
    if(i==j)
        printf("c is the best");
    else
        printf("c is headache");
}

```

- A. c is the best
- B. c is headache
- C. Runtime error
- D. None

15. What is the right way to initialize the array

- A. int a[6] = {1, 3, 5,7,2,8};
- B. int a{} = {1, 3, 5,7,2,8};
- C. int a{6} = {1, 3, 5};
- D. int a(6) = {1, 3, 5,7,2,8};

Part B: Write C
Program



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Internal Assessment Score

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GOKARAJU RANGARAJU

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on



Problem Solving using C Language

04th January to 02nd February 2023

Organized by
Department of Civil Engineering

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This is to certify that **NANDI SRINIVASA SAI MURARI** Bearing Roll Number **22245A0112** Pursuing **II B. Tech I Semester** in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on **Problem Solving using C Language** organized by Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 04th January 2023 to 02nd February 2023.

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