

CSVAc 005

VALUE ADDED COURSE
ON

C++ PROGRAMMING
(06-03-2023 To 18-03-2023)

From

2nd March, 2023

NANGIGADDA RANGA SREE

Department of CSE
University College of Engineering and Technology
Krishna University
Machilipatnam-521004

To

The Principal

University College of Engineering and Technology
Krishna University
Machilipatnam-521004

(THROUGH PROPER CHANNEL)

Respected Sir,

Sub: Request permission to conduct a Value Added Course to the 2nd Year B.Tech students admitted in the 2021-22 academic year-Reg.

With reference to the above subject cited, I request you to grant permission to conduct two weeks Value Added Course (VAC) to the 2nd year B.Tech students admitted in the 2021-22 academic year on "C++ programming" by the Department of CSE, Krishna University College of Engineering and Technology, Machilipatnam. The proposed course work is scheduled from 6th March 2023 to 18th March 2023 .

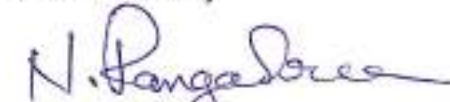
I, **N.RangaSree** am the Co-ordinator for this Value Added Course. The details of the Value Added Course are enclosed with this letter.

A brief report including the Student enrolment, attendance will be submitted to your office immediately after the completion of the Value Added Course.

In this connection, I request you to permit me to start the above said Value Added Course.

Thanking You,

Yours Sincerely



NANGIGADDA RANGA SREE

Enclosure: Details of Value Added Course

Department of CSE
University College of Arts and Science
Krishna University, Machilipatnam-521004

Proposed Value Added Course (VAC) to B.Tech 2nd
students of the 2021-22 Admitted batch

Duration: 2 weeks (One hour per day)
Date of commencement: 6th March 2023
Name of the Course Coordinator: N.RangaSree
Name of the Course: C++ programming
Mode of Classes: **Offline**
Course code :CSVAC005

Objectives of the Course:

- The basic programming and OOPs concepts
- Creating C++ programs
- Tokens, expressions and control structures in C++
- Arranging same data systematically with arrays
- Classes and objects in C++
- Constructors and destructors in C++
- Files management and templates in C++
- Handling exceptions to control errors

Modules of the Course:

Introduction:

- Exploring Programming Basics and OOPs Concepts
- Introducing C ++ Programming
- Working with Tokens, Expressions and Control Structures in C++

MODULE 2:

- Managing Input and Output Data
- Arranging the Same Data Systematically: Arrays
- Classes and Objects in C++

MODULE 3:

- Implementing OOPs Concepts in C++
- Constructors and Destructors
- Groups of Statements: Functions

MODULE 4:

- Implementing Structures and Unions
- Pointing to a location: Pointers

MODULE 5:

- File Management in C++
- Templates in C++
- Handling Exceptions in C++

MODULE 6:

- Manipulating Strings in C++
- Working with Pre-processor Directives
- Advanced Labs

Outcomes of the course:

After completing this course, you will be able to:

- Describe OOP's concepts
- Use functions and pointers in your C++ program
- Understand tokens, expressions, and control structures
- Explain arrays and strings and create programs using them
- Describe and use constructors and destructors
- Understand and employ file management
- Demonstrate how to control errors with exception handling

DAY WISE SYLLABUS COVERAGE

S.NO	TOPICS COVERED	DATE
1	• Exploring programming basics and OOP's concepts. • Introduction C++ programming	06-03-2023
2	• Working with tokens, expressions and control structures in c++ • Managing inputs and output data	9-03-2023
3	• Arranging the same data systematically:arrays • Classes and object in c++	10-03-2023
4	• Implementing OOP's concept in c++ • Constructor and destructors	11-03-2023
5	• Group of statement: functions • Implementing structures and unions • Pointing to location:pointers	13-03-2023
6	• File management in C++	14-03-2023
7	• Templates in c++ • Handling exceptions in c++	15-03-2023
8	• Manipulating strings in c++	16-03-2023
9	• Working with pre-processor directives	17-03-2023
10	• Advance labs	18-03-2023

Department of CSE
University College of Arts and Science
Krishna University, Machilipatnam-521004

Proposed Value Added Course (VAC) to B.Tech 2nd year
students of the 2020-21 Admitted batch

Duration: 2 weeks (three hours per day)

Date of commencement: 06-03-2023

Name of the Course Coordinator: Mrs. N.Rangasri

Name of the Course: C++ programming

Mode of Classes: **Offline**

Course code: CSVAC005

Objectives of the Course:

- The basic programming and OOP's concepts.
- Creating C++ programs
- Tokens, expressions and control structures in C++.
- Arranging same data systematically with arrays
- Classes and objects in C++.
- Constructors and destructors in C++.
- Files management and templates in C++.
- Handling exceptions to control errors.

Modules of the Course:

Introduction:

- , Exploring programming basics and OOP's concepts.
- Introducing C++ programming.
- Working with tokens, expressions and control structures in C++.

MODULE 2:

- Managing input and output data.
- Arranging the same data systematically: arrays.
- Classes and objects in C++.

MODULE 3:

- Implementing OOP's concepts in C++.
- Constructors and destructors
- Groups of statements: functions

MODULE 4:

Implementing structures and unions.

- Pointing to a location: pointers.

MODULE 5:

- File Management in C++
- Templates in C++
- Handling Exceptions in C++

MODULE 6:

- Manipulating Strings in C++
- Working with Pre-processor Directives
- Advanced Labs

Outcomes of the course:

After completing this course, you will be able to:

- Describe OOPs concepts
- Use functions and pointers in your C++ program
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- Explain arrays and strings and create programs using them
- Describe and use constructors and destructors
- Understand and employ file management
- Demonstrate how to control errors with exception handling

KRISHNA UNIVERSITY

Dr.M.Babu Reddy

Principal

University College of Arts and Science

Krishna University

Machilipatnam-521 004



Mobile:

Email: kru.principal@gmail.com

Dt.02.03.2023

CIRCULAR

A two week value added course entitled "C++Programming" as Course Code: CSVAC005 has been introduced by the Department of CSE for the Academic Year 2022-23 for B.Tech 2nd year CSE students. All the B.Tech Second year 4th sem students are here by informed that to enroll/register for the value added course conducted by the department. The course duration is for 30 hours from 06-03-2023 to 18-03-2023 and gets information of course details from the Department of CSE.

PRINCIPAL

Copy to:
Department of CSE.
File.



KRISHNA UNIVERSITY

**COLLEGE OF ENGINEERING AND TECHNOLOGY,
MACHILIPATNAM-521004**

**TWO WEEK VALUE ADDED COURSE ON
C++ PROGRAMMING**

From 06-03-2023 to 18-03-2023

Organized by

Department of CSE

Chief Patron

Dr.M.Babu Reddy

Principal

Krishna University College of Engineering and Technology

Patron

Dr.M.Raghava Naidu

Head of the Department

Krishna University College of Engineering and Technology

Course Coordinator

N.RangaSree

Assistant Professor (Contract)

Krishna University College of Engineering and Technology



KRISHNA UNIVERSITY
COLLEGE OF ENGINEERING AND TECHNOLOGY
MACHILIPATNAM-521004
Department of CSE

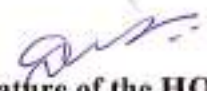
Two weeks Value Added Course on “C++ Programming” to the B.Tech 2nd Year students of
academic year 2022-23 From 06-03-2023 to
18-03-2023

Student Enrollment Form

Name of the Coordinator: N.RangaSree **Date:** 02-03-2023
Designation: Assistant Professor (Contract)

S.No.	Regd.No	Name of the Student.	Signature of the Student
1	Y21CSE279004	BADUGU SIVA	B. SIVA
2	Y21CSE279005	BANDI KUSUMA	Bandi. Kusuma.
3	Y21CSE279006	BARIGALA UDAYA CHANDRA	Barigala udayachandri
4	Y21CSE279007	BAVISETTI RAMYA	Baviseti Ramya
5	Y21CSE279008	BELLAMKONDA SRAVYA	Bellamkonda. Sravya
6	Y21CSE279016	DASARI CHANDRA KEERTHI	DASARI CHANDRA KEERTHI
7	Y21CSE279017	DEVANABOINA KARTHIK	D Kartik
8	Y21CSE279018	DEVARAPALLI VENUGOPAL REDDY	D. Venugopal Reddy
9	Y21CSE279019	DODDA SUSRUTHA	Dodda. Susrutha
10	Y21CSE279020	DUGGIRALA THARUN KUMAR	THARUN KUMAR
11	Y21CSE279031	GUDE SHARANYAVALLI	G. Sharanyavalli
12	Y21CSE279032	GUNDAREDDY KONDA REDDY	G. Konda Reddy
13	Y21CSE279033	GUNUPURU RAVI KUMAR	G. Ravi Kumar
14	Y21CSE279034	INAMANAMELLURU VENKATESH	I. Venkatesh
15	Y21CSE279035	INKOLLU KULASHEKAR	I. shekar
16	Y21CSE279036	INTURI NAGALAKSHMI	I. nagalakshmi

17	Y21CSE279046	KASIREDDY HITESH	Kasireddy. Hitesh.
18	Y21CSE279047	KASUKURTHI PRAVEENKUMAR	Kasukurthi Praveen Kumar
19	Y21CSE279048	KATUKURI RADHAKRISHNA	Katukuri Radhakrishna
20	Y21CSE279049	KAVURU BHARGAVI	Kavuru Bhargavi
21	Y21CSE279051	KOLLI VENKATA ATCHYUTH	K. Venkat
22	Y21CSE279066	LOKAVARAPU SAI	Lokavarapu. Sai
23	Y21CSE279067	LOYA DURGA BALAJI	L. Durga Balaji
24	Y21CSE279068	MADAMALA BAIDHYUTH	M. Baidhyuth
25	Y21CSE279069	MAJJI VIVEK	M. Vivek
26	Y21CSE279070	MALLAMPALLI LAKSHMI SARANYA	M. Lakshmi Saranya
27	Y21CSE279100	RAVULAPATI PAVITRA	R. Pravitra
28	Y21CSE279101	RAYAPANENI VINOD KUMAR	Rayapaneni Vinod Kumar.
29	Y21CSE279102	SALAGALA NAGA RAJU	S. Naga Raju
30	Y21CSE279103	SAMINENI DEEPAK BABU	S. Deepak Babu


Signature of the HOD

KRISHNA UNIVERSITY



UNIVERSITY COLLEGE OF ENGINEERING AND TECHNOLOGY
MACHILIPATNAM-521004
Department of CSE

Two weeks Value Added Programme on C++ Programming to the B.Tech 2nd Year students of academic year 2022-23 from 06-03-2023 to 18-03-2023

Attendance Sheet

[illegible]

[illegible]

[illegible]

8/11/20

Signature of the Programme Coordinator

H. Pangadze

Signature of the Resource Person



KRISHNA UNIVERSITY
COLLEGE OF ENGINEERING AND TECHNOLOGY
Rudravaram, Machilipatnam-521004

Department of CSE

Organized

A two week value added programme on "C++ PROGRAMMING"

Certificate

This is to certify that Ms. BAVISETTI RAMYA with Regd. No. Y21CSE279007 of B.Tech 2nd Year, Department of CSE, University College of Engineering and Technology, Machilipatnam has successfully completed the Two Weeks Value Added Course on "C++ PROGRAMMING" organized by Department of CSE, University College of Engineering and Technology, Krishna University, Machilipatnam from 06-03-2023 to 18-03-2023

Programme Coordinator

Head of the Department

Principal

Principal
University College of Engineering & Technology
Krishna University
Rudravaram, Machilipatnam-521004
Andhra Pradesh



KRISHNA UNIVERSITY
COLLEGE OF ENGINEERING AND TECHNOLOGY
Rudravaram, Machilipatnam-521004

Department of CSE

Organized

A two week value added programme on "C++ PROGRAMMING"

Certificate

This is to certify that KASIREDDY Hitesh with Regd. No. Y21CSE279046 of B.Tech 2nd Year, Department of CSE, University College of Engineering and Technology, Machilipatnam has successfully completed the Two Weeks Value Added Course on "C++ PROGRAMMING" organized by Department of CSE, University College of Engineering and Technology, Krishna University, Machilipatnam from 06-03-2023 to 18-03-2023

N. Ranga Sree
Programme Coordinator

AN
Head of the Department

ABV
Principal
pg Board of Krishna University
Rudravaram, MACHILIPATNAM



KRISHNA UNIVERSITY
COLLEGE OF ENGINEERING AND TECHNOLOGY
Rudravaram, Machilipatnam-521004

Department of CSE

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A two week value added programme on "C++ PROGRAMMING"

Certificate

This is to certify that Ravulapati Pavitra with Regd. No. Y21ECE219100 of B.Tech 2nd Year, Department of CSE, University College of Engineering and Technology, Machilipatnam has successfully completed the Two Weeks Value Added Course on **"C++ PROGRAMMING"** organized by Department of CSE, University College of Engineering and Technology, Krishna University, Machilipatnam from 06-03-2023 to 18-03-2023

N. RangaSree
Programme Coordinator

[Signature]
Head of the Department

[Signature]
Principal
PG Board of Studies in Computer Science
Krishna University
Rudravaram, MACHILIPATNAM



KRISHNA UNIVERSITY
UNIVERSITY COLLEGE OF ARTS AND SCIENCES
MACHILIPATNAM-521004
Department of CSE

Submission of a brief report on two weeks value added course on "**C++ Programming**" to the
Second Year B.Tech students admitted in the academic year 2021-22 from
06-03-2023 to 18-03-2023

Date: 02-03-2023

Name of the course coordinator:
Mrs.N.RangaSree
Department of CSE, KRUCET
Phone Number : 9705598852
Email: nrangasri@gmail.com

Name of the Resource person:
Mr.M.Naga Vamsi
Department of CSE, SVIET,Nandamuru.
Phone number : 9000484207
Email: vamsi.sviet@gmail.com

Brief Report,

Department of CSE successfully organized a two week value added course on "DJANGO Framework" to Third Year B.Tech students from 13th to 25th February 2023. The Program was started with inaugural speech from the principal of KRU College of Engineering and technology **Dr.M.Babu Reddy** about the traditional programming languages and object oriented programming

The Resource Person **Mr.M.Naga Vamsi**, Assisatnt Professor, SVIET, Nandamuru delivered his course content to the students who are enthusiastic on learning programming Languages

This 2-week value-added course provides second year B.Tech students with a strong foundation in C++, one of the most critical and widely used programming languages in various scientific and engineering domains. Equipping them with this essential skill enhances their future career prospects in computer science and related fields..

Overall 30 students from third year B.Tech have participated and successfully completed the course content and hands on training session. In the Valedictory session, Coordinator of this course **Mrs.N.RangaSree** thanked the resource person for the valuable content

One of the participant **Kasireddy Hitesh** bearing roll number **Y21CSE279046** expressed his happiness on attending this course and thanked the resource person.

Signature
Resource person

Signature