



St. JOSEPH'S DEGREE COLLEGE
SUNKESULA ROAD
KURNOOL

Addon COURSE
ON
“C++ programming”

ACADEMIC YEAR – 2024-2025

Faculty Attended:

1. **Mr. K.Amarnath**
2. **Mr. G.Penchalaiah Babu**
3. **Mrs. B. Manju Bhargavi**
4. **Mrs. N. Rajini Kiranmai**

Request Letter

25-07-2024,
Kurnool.

To
The Chairman,
Internal Quality Assurance Cell,
St.Joseph's Degree College,
Kurnool.

Respected Madam/Sir,

Sub: - Request for permission to conduct Add-On Course for II B.Com, III Semester Students - Reg

All the Third semester B.Com students have to be aware of Programming in C++ subject, as it is helpful for the students in near future. Keeping this in mind Department of Computer Science is planning to conduct Add-on Course on C++ Programming which is one of the most commonly used programming languages in Real Time Environment.

As a part of this course the students will be given insight knowledge and this object-oriented programming is to create an object, build code, that has certain properties and methods.

I request to consider the proposal and permit to conduct the course.

Course Coordinators :

1. Mr. K. Amarnath
2. Mr. G. Penchalaiah Babu
3. Mrs. B. Manju Bhargavi
4. Mrs. N.Rajini Kiranmai

With Regards,
(S.Latha Rani)
Head of the Department,
Department of Computer Science

Copy to Principal.



St. Joseph's Degree College

Sunkesula Road, Kurnool-518004
(Affiliated to Rayalaseema University, Kurnool, A.P.)

Circular

Date: 29-07-2024.

Dear students,

This is to inform you that the Dept. of Computer Science is going to conduct add-on course on "**Programming with C++** " from 02 Aug 2024. This course is very helpful for the students to develop their coding skills. All the II-year B.Com & BBA students are requested to join.

Dept. of Computer Science,
St. Joseph's Degree College.

COURSE OUTLINE

Instructor: Mr. K.Amarnath & Mr. G.Penchalaiah Babu

Class Section: II B.Com III Semester Students

Class Time: Monday To Saturday 3.00 PM to 5.00 PM.

Duration: 15 Days.

E-Mail: sjdc.cs@gmail.com.

Start Day: 02-08-2024

End Day: 04-09-2024

Collegeweb site: www.sjcknl.edu.in

Course Description:

C++ Programing Language:

C++ is an object-oriented programming (OOP) language used for creating large-scale applications. It is a superset of the C language. It is can be found in today's operating systems, Graphical User Interfaces, and embedded systems.

C++ allows software developers to define their own data types and manipulate them using functions and methods. It also allows low-level programming and provides access to memory, enabling fast and efficient execution of code.

It also supports generic programming using templates, which let code be written in a generic form and reused for different data types. This course is helpful for the students to upskill and advance their careers.

Course Objectives:

This course provides an insight to acquire fundamental understanding of the OOPs concepts, classes, objects, functions. It has been designed with a uniform structured series of modules and makes programming easier, more efficient.

- 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++
- Inheritance Concepts in C++

SYLLABUS

Programming in C++

Module 1: Introduction to Object Oriented programming language - Duration: 2 hrs

- Objective: To understand the importance of Object Oriented language in real world .

Module 2: POOP & OOPL– Duration: 12 hrs

This module starts to Introduction to POOP & OOPL

- Introduction to programming languages, translators.
- Difference between procedural and object oriented programming, OOPs concepts.
- Structure of C++ with example program. Write, compile and execution of C++ programs.

Module 3: Data types and operators. Duration : 8 hrs

This module starts with Data types and operators

- Practical lab work. Class, object creation and accessing variables, methods.
- Data types of C++.
- Operators of C++.
- Practical lab

Module 4: Control Statement & Function in C++ - Duration: 6 hrs

This module starts with Branching Statement and looping Statement.

- Branching statements practical lab.
- Looping and jumping statements practical lab.
- Functions, categories of functions, scope of variables in C++.

Module 5 : Function and Inheritance in C++ - Duration: 2 hrs

In this module, you will learn that inline function and inheritance.

- Default arguments, recursion – practical lab.
- Inline function, function overloading – practical lab.
- Access modifiers in C++, Inheritance – single, multilevel inheritance - practical lab.
- Multiple, Hierarchical, Hybrid inheritance – practical lab.
- Constructor and Destructor – practical lab.

S.no	Date	Topics Covered
1	02-08-2024	Introduction to Programming Languages, Translators, Compiler, Interpreter, Difference b/n C & C++
2	03-08-2024	Structure of C++ with examples, Object Oriented Programming(OOPs) Concepts
3	05-08-2024	C++ Operators with example programs
4	06-08-2024	Branching Statements ,Switch statement
5	07-08-2024	Iterative and Jumping Statements
6	08-08-2024	Programs on Class and Objects
7	09-08-2024	Introduction to Function and its categories
8	12-08-2024	Scope of Variables and Default Arguments in C++
9	13-08-2024	Inline function with example programs
10	14-08-2024	Function Overloading with example programs
11	16-08-2024	Inheritance and its types
12	17-08-2024	Programs on types of inheritance
13	19-08-2024	Constructor and its types with examples
14	03-09-2024	Destructor and its types with examples
15	04-09-2024	Overview

Attendance sheet of the Students:

St. Joseph's Degree College, Sunkesula Road, Kurnool					Add on course on Programming in C++ for Commerce students(III-sem Bcom & BBA) 2024 -25																						
Class	Sno	Sname	Phone.no	Email id	August - 2024															Sep-24							
					02	03	05	06	07	08	09	12	13	14	16	17	19	03	04								
BCom	1	Dudukula Pravalika	8288230307	dudukulpravalika@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
BCom	2	Vadde Ravathi	9885638863	vadde.ravathi678@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	3	Jyothika Rangasulke	6201568565	jyothijyothika81@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	4	Kattala Purneeetha	8309939984	purneeetha859@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	5	Mekalasa Preethi	9848877796	preethi.20102005@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	6	Telugu Akshvini	9550896886	akshvini@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	7	Balla Malini	9981893883	malini@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	8	Balli Kavitha	9981637550	kavitha@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	9	Jaggala Manju	6304667045	manju@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	10	Eepuri Navaneetha	9505774212	navaneetha@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	11	Kuruva Sivasaha	8883581166	sivasaha@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	12	Kunigaitavya	981800445	kunigaitavya@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	13	Mondilla Pallavi	9346718089	pallavi@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	14	Malleppu Poojitha	9818713820	poojitha@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	15	Syd Sameera	9280744972	sameera@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	16	Amarakanta Akhila	9990358144	amarakanta@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	17	Bathi Sanjany	8181866485	sanjany@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	18	Kuruva Anusiddha	9866566085	anusiddha@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	19	N. Navya	7702026166	navya@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	20	K Rajitha	9951471878	rajitha@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	21	Rampure Kavya Sree	9177184616	kavya@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	22	Shaik Rehan Basha	897411683	rehanbasha@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	23	Syd. Adnaan Darmsi	7992333561	adnaan@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	24	T. Charan Kumar Reddy	9014738801	charanreddy@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	25	P. Sai Charan	9959459881	saicharan@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	26	S. Lokanath	8341848009	lokath@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	27	Telugu Akshaya	6201219823	akshaya@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	28	G. Santhosh Kumar	8331844456	santhosh@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	29	G. Yeswanth Karthik	8241295815	yeswanthkarthik@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
BCom	30	D. Malik Basha	9177475406	malikbasha@gmail.com	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

S. Kalpana
 HOD
 Dept. of Computer Science
 St. Joseph's Degree College
 Sunkesula Road,
 KURNOOL-518 004

No. of Students of II B.Com., III Semester participated in the course: 30

Learning Outcomes:

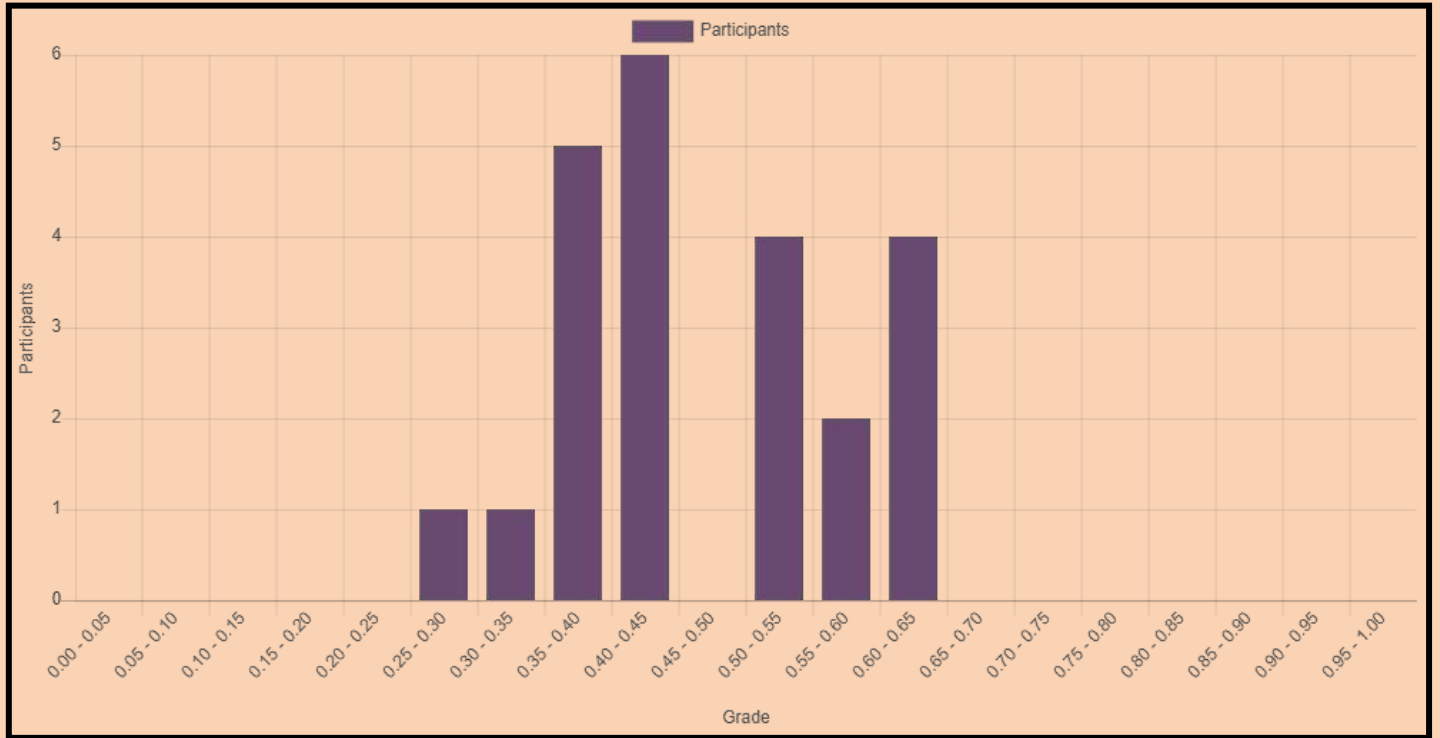
After completion of the C++ programming course you will be.;

- Able to differentiate structure oriented programming and object oriented programming.
- Able to understand and apply various object oriented features.
- Able to write, compile and debug programs in C++ language.
- Able to know concepts in operator overloading, function overloading & polymorphism.
- Able design programs involving constructors, destructors.
- Able to reuse of code using inheritance.

Scheme of Valuation and Pattern of Question Paper
Conducted Multiple Choice Based Questions

ONLINE EXAMINATION				
Time : 30 minutes		Max. Marks : 25		Min. Marks to Pass: 10
S.No.	Type of the Questions	No.Of Questions	Marks Per Question	Total Marks
1	Multiple Questions	25	1	25

Surname	First name	Email address	Grade/10
Navaneetha	Eepuri	navaneethaeepuri020@gmail.com	5.2
Kavya	Kunigiri	k13989945@gmail.com	5.2
Sireesha	Kuruva	ksiri8919@gmail.com	5.2
Pallavi	Mondilla	pmondila@gmail.com	4.4
Jyothika	Rangesudhe	jyothijyothika81@gmail.com	3.6
Manju	Jaggarla	jshardha959@gmail.com	4.4
Praneetha	Kattela	praneetha859@gmail.com	3.6
Charan	Sai	saicharan97571@gmail.com	6
Revathi	Vadde	vadderevathi678@gmail.com	5.2
Rehan Basha	Shaik	rickyrehan68@gmail.com	6
Sowjanya	Bethi	bsowji28@gmail.com	3.6
Pravallika	Dudekula	dudekulapravalika@gmail.com	5.6
Sai Preethi	Mekala	preethi30102005@gmail.com	3.6
Poojitha	Mallepogu	poojithamallepogu5@gmail.com	4.4
Kovidha	Bolli	kovidhabolli@gmail.com	6
Akshay	Telugu	akshaytelugu8@gmail.com	4
Kumar Reddy	Charan	charanreddy0407@gmail.com	4
Shaik	Hazirunnisa	shaikhazirunnisa111@gmail.com	2.8
Lokanath	S	telugulokulokanathlokanath361@gmail.com	4
Kuruva	Anuradha	eranna3850@gmail.com	5.6
Chilukuru	Bhavana	chilukurubhavana2004@gmail.com	3.2
Shaik	Md Anas	anuanasmam@gmail.com	6
Kinnera	Ashwini	kinneraashwini@gmail.com	3.6
Overall average			4.6



Participation Certificate



St. Joseph's Degree College

Sunkesula Road, KURNOOL - 518 004, A.P.
www.sjcknl.edu.in



Certificate of Completion

This is to certify that

Mr. / Ms. _____

of _____

has successfully completed ADD-ON Course on

Programming in C++

from 02 Aug 2024 to 04 Sep 2024

Organized by

Department of Computer Science

S. Lalitha Devi

HOD

Jesus

Vice Principal

Shanthan

Principal

Photo Gallery



Exam Conducted on 12-09-2024:



Feedback

Please indicate your satisfaction level for the following aspects of the course>

