St. JOSEPH'S DEGREE COLLEGE

Sunkesula Road, Kurnool – 518 004 A.P.

(Affiliated to Rayalaseema University, Kurnool)

Value Added course
On

"Programming in C & C++"

Academic Year 2023-24

FACULTY ATTENDED:

Mrs. N.Rajini Kiranmai Mrs. B. Manju Bhargavi Mr. K.Amarnath

Mr. G.Penchalaiah Babu

CIRCULAR

12-09-2023,
Kurnool.

This is a proposal to conduct a **Value Added Course** for III Semester students of BBA on "**C++Programming** " which is one of the most commonly used programming languages in Real Time Environment.

C++ is a programming language. The core of the pure object-oriented programming is to create an object, in code, that has certain properties and methods.

So, I request you to consider the proposal and permit us to conduct this **Value Added Course** to the **BBA** students of our College for **30 to 32 Hours**.

Course Coordinators :

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

S.Latha Rani,
HOD,
Department of Computer Science,

COURSE OUTLINE

Instructors: N.Rajini Kiranmai, P Manju Bharghavi

Class Section: II BBA (III SEMESTER) –Commerce Groups

Class Time: 3.00 PM to **5.30** PM **Duration : 30 hours**

E-Mail: sjccomputers@gmail.com

Starting Day: September 12th 2023

End Day: September 21th 2023

College website: www.sjcknl.edu.co.in

COURSE DESCRIPTION:

The prime purpose of C++ programming was to add object orientation to the C programming language, which is in itself one of the most powerful programming languages. The core of the pure object-oriented programming is to create an object, in code, that has certain properties and methods.

C++ is one of the world's most popular programming languages. C++ can be found in today's operating systems, Graphical User Interfaces, and embedded systems. C++ is an object-oriented programming language which gives a clear structure to programs and allows code to be reused, lowering development costs.

OBJECTIVES:

- 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++

OUTCOME:

Upon completion of this course, the student will be able to apply technical knowledge and perform specific technical skills, including:

- Develop an C++ application and execute it .
- Install, load and deploy the required packages, and build new packages for sharing and reusability
- Control structures between sequential processing, repetition, processing and selection processing in C++ program.
- Define and identify the use of input and output stream in C++.
- Visualize and summarize the data

SYLLABUS

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 In heritance 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.

SCHEME OF VALUATION AND PATTERN OF QUESTION PAPER

ONLINE EXAMINATION				
Time: 30 mins		**Max. Marks: 25**		**Min. Marks to pass :10**
S. No	Type of the Questions	No. of Questions	Marks per Question	Total Marks
1	Multiple Choice Questions	25	1	25

Course Registration Details of participants Google Drive Link :

Attendance sheets of participants Google Drive Link:

Target Participants:

- Students of II BBA (III Semester)-C Groups
- Total No. of Participants: **50**

TEST SCORES AND RESULTS

SNO	Name of the Student	Email address	Grade/25.00
1	V.RAJESH	rjeshvrk20@gmail.com	22.00
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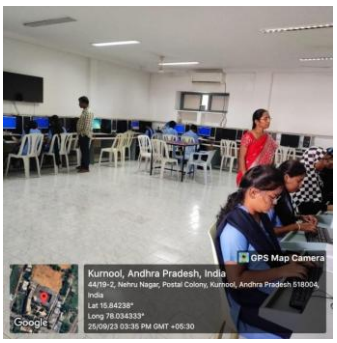
25	B.AFSHEEN FATHIMA	afsheenfathima93@gmail.com	17.00
26	SHAIK SAFIA NAAZ	sssofficial@gmail.com	17.00

GALLERY





FEEDBACK

Please evaluate honestly *

	Excellent	Very Good	Good	Poor	Very Poor
The course content was:	○	○	○	○	○
Use of class time was:	○	○	○	○	○
The instructor's contribution to the course was:	○	○	○	○	○
Instructor's use of examples and illustrations was:	○	○	○	○	○
Answers to student questions were:	○	○	○	○	○
Availability of					

FEEDBACK REPORT