



DEPARTMENT OF ELECTRONICS

Anand Niketan College, Anandwan, Warora - 442 914

HOD: Dr. G. K. Singh, Cell: 9075322625, Email: gopesh63@gmail.com



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REPORT: C&C++ LANGUAGE CERTIFICATED COURSE

Respected Certificate Course Coordinator,

I would like to provide you report of GU approved C&C++ Language Certificated Course run by Department of Electronics during the Session: 2020-21.

Number of Enrolled Students: 20

Number of Students attended the regular classes: 14

Number of Students appeared in the certificate course exam: 14

Number of Students passed in the certificate course exam: 14

List of students passed:

Sr. No.	Name	Class
1.	Achal Prabhakar Bodhe	B. Sc. 2 nd Year
2.	Kalyani Bhoyar	B. Sc. 2 nd Year
3.	Swarupata Wasudeo Sarpate	B. Ed. 1 st Year
4.	Rohan Hanuman Hanwate	B. Sc. 1 st Year
5.	Shivam Rangnath Bawane	B. Sc. 1 st Year
6.	Bhushan Raju Kamdi	B. Sc. 1 st Year
7.	Amisha Shende	B. Sc. 1 st Year
8.	Rakhi Bhongle	B. Sc. 3 rd Year
9.	Kajal Namdeo Satpute	B. Sc. 1 st Year
10.	Zainab Khan	B. Sc. 3 rd Year
11.	Ravina Kawadu Ambaghare	B. Sc. 1 st Year
12.	Harshda Dashrath Jiwtoode	B. Sc. 1 st Year
13.	Prabhakar Kawadu Barekar	B. Sc. 3 rd Year
14.	Aditi Shivpal Walde	B. Sc. 1 st Year

Dr. G. K. Singh
Head
Department of Electronics



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BROCHURE

CERTIFICATE COURSE IN C AND C++ PROGRAMMING

(Approved by Gondwana University, Gadchiroli)

Duration: 70Hrs (5Hrs/Week)

Objectives:

On successful completion of the course the students will be able to do the following:

- To provide a training programming skill.
- To understand and develop programs independently.
- To provide a proper foundation for learning other programming languages.

Link for Admission: <https://forms.gle/FHXwSj9fexn4Jsez8>

Contents:

Part-A			
Lect. No.	Topics	Lect. No.	Topics
UNIT-I			
1.	Introduction to C-Programming	12.	Unformatted Input Functions
2.	C-Token, Identifiers and Keywords	13.	Unformatted Output Functions
3.	C Variables	14.	Arithmetic Operators_FloatingPoint
4.	C-Storage Class	15.	Arithmetic Operators, Mixed Mode And C Type Casting Function
5.	C-Constants	16.	Precedence of Operators and Associativity
6.	Data types (Primary data types)	17.	Assignment and Conditional Operator
7.	Derived Data Types	18.	Relational and Logical Operators
8.	Algorithm	19.	Increment-Decrement Operators
9.	Flowcharts	20.	Bitwise and Special Operators
10.	Compiler and Interpreter	21.	C-Library Functions (Formatted output)
11.	Arithmetic Operators_	22.	C-Library Functions (Formatted Input)
UNIT-II			
1.	Decision Making if Statement	7.	C-Looping Statement_while loop
2.	Decision Making if---else Statement	8.	C-Looping Statements_do-while loop
3.	Decision Making Nested if ... else and the else if ladder Statement	9.	C - Looping Statements_for loop
4.	Decision Making switch statement	10.	C - Looping Statements_ nesting of for loops
5.	goto statement and ternary operator	11.	Break and Continue Statements
6.	Conditional operator		



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Part-B			
Lect. No.	Topics	Lect. No.	Topics
UNIT-III			
1.	One-dimensional arrays	13.	Scope and Lifetime of Variables in Function
2.	Two-dimensional arrays	14.	Basic Concept of Structure
3.	Initialization of two-dimensional arrays	15.	Operations on Structure
4.	Concept of Multidimensional arrays	16.	Array of Structure
5.	Need for User Defined Functions,	17.	Union
6.	Concept Associated with Functions	18.	Difference in union and Structure
7.	Return Values and Their Types	19.	Basic Concept of pointers
8.	Function with no arguments and no return values	20.	Pointer Expression
9.	Function with arguments but no return values	21.	Pointers and arrays
10.	Function with arguments with return values	22.	Pointer and Character String,
11.	Nesting of functions,	23.	Pointer to Function.
12.	recursion		
UNIT-IV			
1.	File management: Introduction	13.	Application of Oop
2.	Defining and Opening File	14.	Introduction to C++,
3.	Closing a File	15.	Applications of C++,
4.	I/O Operations on File	16.	Difference between C and C++.
5.	Error Handling	17.	C++: Tokens, Keywords, Identifiers
6.	Random Access to Files	18.	Constants, Variables
7.	Command Line Arguments	19.	Basic data types
8.	Principle of Object-Oriented Programming	20.	Operators in C++ :
9.	Software evaluation	21.	cin, cout, new, delete
10.	Oop paradigm	22.	Manipulators
11.	Basic concept of Oop	23.	Operators overloading
12.	Benefits of Oop	24.	C++ programs

Note:

1. Online exam will be conducted on each unit, and
2. Also, there will be a final exam on complete syllabus.
3. All Online exams will be MCQ type.
4. Passing marks is 50%.