

## PROGRAMMING IN C AND C++

Semester	Subject Code	Category	Lecture Hrs		Theory Hrs		Practical		Credits
			Per week	Per Sem	Per week	Per Sem	Per week	Per Sem	
III		Core Pract - III	3	45	0	0	3	45	3

### COURSE OBJECTIVE

This course is used to develop programming skills of students, using C and C++ languages.

### SYLLABUS

#### Programming in C Lab:

1. Calculate Sin(x), Cos(x), exp(x)
2. String Manipulation
3. Searching Element using linear searching
4. Sorting an array element using Bubble sort technique.
5. Find factorial of given number using recursion.

#### Object Oriented Programming Using C++ Lab:

6. Write a C++ program to implement Class concept.
7. Write a C++ program to implement friend function.
8. Write a C++ program to implement Inheritance.
9. Write a C++ program to implement function Overloading concept.
10. Write a C++ program to implement operator Overloading concept.

**Distribution of Marks: Program Output with Viva  
voce: 85% and Record:15%**

### SYLLABUS DESIGNER

1. Mrs.B.Arulmozhi, Assistant Professor and Head,  
Department of Computer science
2. Mrs. K. Ayesha, Assistant Professor, Department of  
Computer Science

Ms. P. Ramya, Assistant Professor, Department of Computer Science