

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI**COURSE PLAN (June - November 2026)**

Department : **Mathematics**
Name of the Faculty : **Dr. Sindiya Therese S**
Course Title : **PROGRAMMING IN C++ (Theory)**
Course Code : **25MT/ME/PC12**
Shift : **I**

COURSE OUTCOMES (COs)

Cos	Description						CL
CO1	recall various concepts relating to languages and applications						1
CO2	understanding various functions and tools of C++						2
CO3	apply appropriate tools to solve various problems						3
CO4	analyse different techniques in programming						4
CO5	assess suitable areas of application						5
Week	Unit No.	Content	Cognitive Level	Teaching Hours	COs	Teaching Learning Methodology	Assessment Methods

Jun 22, 2026 (Day Order 6)	I	Basics of C++ 1.1 Introduction to C++	1-5	1	1-5	Presentations & hands on training	Questioning & slip test
Jun 23 – July 1, 2026 (Day Order 1- 6)	I	Basics of C++ 1.1 Introduction to C++	1-5	3	1-5	Presentations & hands on training	Questioning & slip test
July 2 – July 8, 2026 (Day Order 1- 6)	I	Basics of C++ 1.2 Tokens, Keywords 1.3 Identifiers, Constants	1-5	3	1-5	Lecture and group discussions	Questioning & slip test
July 9 – 16, 2026 (Day Order 1- 6)	I	Basics of C++ 1.4 Variables, Operators, Manipulators 1.5 Basic Data Types - Expressions and Control Structures in C++	1-5	3	1-5	Lecture and group discussions	Questioning & slip test
July 17 – 24, 2026 (Day Order 1- 6)	II	Functions in C++ 2.1 Main Function 2.2 Function Prototyping 2.3 Parameters Passing in Functions 2.4 Values Return by Functions	1-5	3	1-5	Presentations & hands on training	III Component part 1 – 20 marks - Unit I -MCQ test
July 25 – 28, 2026 (Day Order 1- 3)	-	-	-	0	-	-	-
July 29 – Aug 3, 2026	C.A. Test – I (Units I and II)						
Aug 4 - 6, 2026 (Day Order 4 - 6)	II	Functions in C++ 2.5 Inline Functions 2.6 Recursion	1-5	3	1-5	Group discussions	Questioning & slip test

Aug 7 – 14, 2026 (Day Order 1- 6)	II & III	Functions in C++ 2.7 Math Library Functions Classes and Objects 3.1 Specifying a Class	1-5	3	1-5	Presentations & hands on training	III Component part 2 – 20 marks - Unit III - Assignment
Aug 17 - 24, 2026 (Day Order 1- 6)	III	Classes and Objects 3.2 Defining Member Functions 3.3 Nesting of Member Functions	1-5	3	1-5	Lecture and group discussions	Questioning & slip test
Aug 25 – Sep 2, 2026 (Day Order 1- 6)	III	Classes and Objects 3.4 Array within a Class 3.5 Arrays of Objects	1-5	3	1-5	Projects	Questioning & slip test
Sep 3 – 11, 2026 (Day Order 1- 6)	IV	Constructors and Destructors 4.1 Parameterised Constructors 4.2 Multiple Constructors in a Class 4.3 Constructors with Default Arguments	1-5	3	1-5	Presentations & hands on training	Questioning & slip test
Sep 15-17, 2026 (Day Order 1 - 3)			-	-	-		
Sep 18 –23, 2026	C.A. Test – II (Units III and IV)						
Sep 24 - 28, 2026 (Day 4 – 6)	IV	Constructors and Destructors 4.4 Constructing Two Dimensional Arrays 4.5 Destructors	1-5	3	1-5	Lecture and group discussions	Questioning & slip test
Sep 29 – Oct 7, 2026	V	Pointers 5.1 Arithmetic Operation on Pointers 5.2 Pointers and Arrays	1-5	3	1-5	Presentations & hands on	III Component

(Day Order 1 - 6)		5.3 Pointers to Functions				training	part 3 – 10 marks - Unit V -Objective test
Oct 8 - 14, 2026 (Day Order 1 - 6)	V	Pointers 5.4 Pointers to Objects 5.5 Polymorphism	1-5	3	1-5	Lecture and group discussions	Questioning & slip test
Oct 15 - 21, 2026 (Day Order 1- 4)	REVISION						