


Enrollment No							
Course Name	C++						
Trainee Name							
Trainer Name							
Module Name	Days	Topic	Sub-Topics	Trainee Sign	Trainer Sign	Date	
C++	Day-1	Introduction of C++	Introduction to Programming Language				
			Compiling your first program				
	Day-2		Fundamental variable definition, initialization and assignment				
	Day-3		Integer and fixed-width Integer, floating point numbers				
	Day-4		Boolean values, Chars, Literals				
				Const, constexpr and symbolic constants			
	Day-5			Local variable, scope and duration			
				Global variables and linkage			
				Implicit Type conversion(coercion)			
	Day-6	Control Statement,String,Array	If Statement				
			Switch Statement, Goto Statement				
	Day-7		While, Do While, For Statement				
			Break and Continue				
	Day-8		Random Number Generator				
			Arrays and multidimensional arrays				
	Day-9		C-style Strings				
			std::string and std::wstring				
			std::string length and capacity				
	Day-10		std::string construction and destructuion				
			std::string assignment and swapping				
	Day-11		std::string appending and inserting				
			Pointer arithmetic and array indexing				
	Day-12		Dynamic memory allocation with add and delete				
	Day-13		Dynamic allocating arrays				
	Day-14		Reference variables, For each loops				
	Day-15		Function parameter and arguments				
	Day-16	Passing arguments by value, reference and address					
	Day-17	Function overloading, Function pointers					
		The stack and The heap					
	Day-18	Recursion and command line arguments					
	Day-19	Object Oriented Programming	Classes and Class Member				
	Public vs Private Access Specifiers						
Day-20	Constructors and Destructor						
	Static Member Variables and Static Member Functions						
Day-21	Friend Functions and Classes						
	Copy Constructor						
Day-22	Overloading the I/O Operators						
Day-23	Overloading Operator using memebr Functions						
	Overloading the Subscript Operator						
Day-24	Overloading the Typecast						
	Converting Constructors, Explicit and Delete						
Day-25	Overloading the assignment operator						
	Composition						
Day-26	Aggregation						
	Association						
Day-27	Inheritance in C++						
	Inheritance and Access Specifiers						
Day-28	Adding, Changing and Hiding Members in derived class						
Day-29	Multiple Inheritance						
Day-30	Softskill						
Day-31	Exam						