

Welcome to the Intro to Software Engineering Course with C++

The Syllabus of Intro to Software Engineering Course

MONTH	PARTS	CONTENT	TOPICS
1	1	BASICS C++(5)	Intro to Computer Science Intro to Problem Solving Introduction to Scratch Setup Environment for C++ C++ Starter Code Arithmetic Operations
1	1	BASICS C++(5)	Variables Comments Conditions
1	1	BASICS C++(5)	Loops Arrays
1	1	BASIC C++(5)	Functions Pointers
2	2	OOP(5)	Intro to OOP Class and Objects Constructor

MONTH	PARTS	CONTENT	TOPICS
2	2	OOP	Inheritance Abstract Class Polymorphism
2	3	ALGORITHMS	Intro to Algorithms Searching Algorithms
2	3	ALGORITHMS	Sorting Algorithms And optimizations Algorithms
3	4	DATA STRUCTURE	Intro to STL Data Structures and Algorithms with stl
3	4	DATA STRUCTURE	Data Structure Continue, Vector, List, Queue, stack Maps and others
3	4	DATA STRUCTURE	Data Structure Continue, Maps and other data structures
3	5	DATA BASE	Intro to Data base with SQL

MONTH	PARTS	CONTENT	TOPICS
4	5	DATA BASE	Intro to Data base with SQL continue
4	6	GIT AND GITHUB	Introduction to git and github
4	6	TRAINNING	Basics C++ and OOP
4	6	TRAINNING	Algorithms and Data Structure