



Nutan Maharashtra Vidya Prasarak Mandal's
Nutan Maharashtra Inst. of Engg. & Tech.

Record No.: ACDM/R/

Revision: 00

Date:

Schedule of Cracking the Code: Mastering C and C++

26/12/2019	Day 1(8 Hours)	Session 1: Basics of C <ul style="list-style-type: none">• Introduction to C• Data Types, Variables & Statements• Functions & Recursion
		Session 2: Basics of C <ul style="list-style-type: none">• Arrays & pointers• Strings• Structures, Union & Enum
		Session 3: Hands on session on C
27/12/2019	Day 2(8 Hours)	Session 4: File management <ul style="list-style-type: none">• Dynamic Memory Management.• File Handling
		Session 5: Data Structures <ul style="list-style-type: none">• Stack• Queue• Single linked list• Double linked list.
		Session 6: Hands on session on C
28/12/2019	Day 3(8 Hours)	Session 7: Basics of C++ <ul style="list-style-type: none">• Features of C++• C and C++• Simple C++ Program• Input/output in C++• Classes and Objects in C++
		Session 8: Memory Management and Overloading <ul style="list-style-type: none">• Dynamic Allocation: new and delete• Overview of Operator Overloading.• Automatic type conversion
		Session 9: Hands on session on C++
29/12/2019	Day 4(8 Hours)	Session 10: Inheritance, Polymorphism


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		<ul style="list-style-type: none"> • Overview of Inheritance • Types of Inheritance • Examples of Inheritance • Overview of Polymorphism • Virtual function
		Session 11: Exceptions and Templates
		<ul style="list-style-type: none"> • Exception handling in C++ • Template Overview • Customizing Templated Method • Introduction to STL
		Session 12: Hands on Session on C++
		Session 13: Test




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