C PROGRAMMING

➢ C Data types

➢ C Operators

➢ C Control Flow

➢ C Scope and storage

➢ C Preprocessor

➢ C Functions

➢ C Pointers

➢ C Arrays

➢ C Strings

➢ C Structures, Unions
➢ Enum and typedef

C++ PROGRAMMING

➢ C++ Overview

➢ C++ Functions and Variables

➢ Classes in C++

➢ C++ Operator Overloading

➢ C++ initialization, Assignment

➢ CPP Storage Management

➢ C++ Inheritance

➢ C++ Polymorphism

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DS Data Structures

➢ ALGORITHM ANALYSIS

➢ STACKS DATA STUCTURE DS
RECURSION DS
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➢ LINKED LISTS DS

➢ Trees DS

➢ Sorting and Searchin

➢ Advanced data structures

TRIE DATA STUCTURE DS
SUFFIX TREES DATA STUCTURE DS
 SUFFIX ARRAY DATA STUCTURE DS
TERNARY SEARCH TREE DS
AVL TREE DATA STUCTURE DS
TOURNAMENT TREE DS
GRAPHS DATA STRUCTURES DS
DYNAMIC PROGRAMMING DS

ALGORITHM CLASSS , http://sites.google.com/site/algorithmclass