C Programming

- 1. The c programming language by DENNIS M.RITCHIE/Pearson;
- 2. C: The complete reference by Herbert Schildt/ McGraw Hill Education;

Data structure

- 1. Fundamentals of data structure by Sartaj Sahni
- 2. Data structures and algorithms made easy by Narsimha Karumanchi

Algorithms

- 1. Introduction to algorithms by Thomas H.Cormen
- 2. Fundamentals of computer algorithms by Rajasekaran, Sahni, Horowitz

Theory of computation

- 1. An introduction to formal languages and automata by Peter Linz
- 2. Automata theory, languages and computation by John E Hopcroft, Jeffrey D. Ullman

Compiler design

- 1. Compilers principles, techniques and tools by Jeffrey D.Ullman
- 2. Principles of compiler design by Aho & UllMan

Database management system

- 1. Fundamentals of database system by Elmasri Navathe
- 2. Database system concepts by Henry Korth

Operating system

- 1. Operating system and principles by Peter Baer Galvin
- 2. Operating system concepts by Galvin

COA

- 1. Computer organization by Carl Hamacher
- 2. Computer organization and architecture by William Stallings

Discrete maths

- 1. Discrete mathematics and its application by Kenneth Rosen
- 2. Introductory discrete mathematics by V. Balakrishnan

Digital logic

- 1. Digital logic and computer design by M. Morris Mano
- 2. Modern digital electronics by R.P jain

Computer network

- 1. Data communication and networking by Behrouz A. Forouzon
- 2. Computer networks by Andrew S. Tanenbaum, David J. Wetherall