CS 201 Data Structures and Algorithms
July - December, 2018
Course details

Instructor: Sandeep R. B.

Syllabus: Introduction: data structures, abstract data types, analysis of algorithms. Creation and manipulation of data structures: arrays, lists, stacks, queues, trees, heaps, hash tables, balanced trees, tries, graphs. Algorithms for sorting and searching, order statistics, depth-first and breadth-first search, shortest paths and minimum spanning tree.

Textbook: Introduction to Algorithms, 3rd edition, by T. Cormen, C. Leiserson, R. Rivest, C. Stein, MIT Press and McGraw-Hill, 2009. (As of now, 12 copies are available in the library including one reference copy.)

Evaluation plan
- Quizzes: 25%
- Mid-sem: 25%
- End-sem: 50%

Honesty policy: Every malpractice will be dealt with utmost seriousness.