



QEEE COURSES

PRIORITY QUEUES AND TREES - DATA STRUCTURES

COURSE CONTENT:

- Quick review of abstract data types (ADTs), implementation of the tree ADT using arrays or lists, traversal of trees, complexity analysis
- Priority Queues and Heaps: applications of heaps, binomial heaps, fibonacci heaps, pairing heaps.
- Binary search trees (BST): applications of BST, AVL Trees, Red-Black trees, Splay trees.