A Brief Agenda for CS 293

Lab 1: 24 July:
- Performance
- Tower of hanoi

Lab 2 : 31 July:
- Performance based on asymptotic complexity
- Performance based on cache
- Pointers

Lab 3: 7 August:
- Linked list

Lab 4: 14 August:
- Queues
- Stacks

Lab 5: 21 August: (Graded Lab 1)
- Content covered so far
- Dictionaries
- Hashing

Lab 6: 28 August:
- Review of C++ (By Dr. Vishwas Patil)

Lab 7: 4 September: (Graded Lab 2)
- Skip lists
- LZW compression
- Trees
- Binary tree

Lab 8: 18 September:
- Union find algorithm
- Balanced tree
- Red black tree
- AVL tree
- Priority queues

Lab 9: 25 September:
- Mid semester exam

Lab 10: 9 October: (Graded Lab 3)
- Huffman coding
- Heaps
- Graphs

Lab 11: 16 October:
- Path problems
- Connectedness
- Shortest path algorithms

Lab 12: 23 October: (Graded Lab 4)
- Divide and conquer

Lab 13: 30 October:
- Spanning tree
- MST algorithms

Lab 14: 6 November:
- End semester exam
- Greedy approach
- Sorting