**Data structures**

Binary Search Tree

Operations:

Successor, Predecessor, Search, getMinElement, getMaxelement, printPath

Graphs

Disjoint Set Union

Red-Black Trees

**Computer Architecture and Organisation –**

MIPS(ISA) assembly programming

Assembler written in java to convert assembly level language to machine byte code instructions

convertAssembler written in java to convert machine byte code instruction into MIPS assembly language instructions

**Data-base-management-systems**