TURING MACHINE AND PARSING

MODULE 1(10 hours)

Turing Machines: Turing machine model, representation of Turing machines, languages accepted by Turing machine.

MODULE 2(13 hours)

definitions of parsing, top-down parsing and bottom-up parsing, context free grammars ,derivations , parse tree , ambiguity , associativity and precedence of operators ,writing a grammar ,topdown parsing , recursive descent parsing , FIRST and FOLLOW ,LL (1) Grammars , recursive predictive parsing

MODULE 3(13 hours)

Bottom up parsing, reductions, handle pruning, shift reduce parsing, operator precedence parsing, simple LR parsing.