Module - 1

Chapter 1 : Basic Concepts and Finite Automata 1-1 to 1-12

Syllabus : Importance of TCS, Alphabets, Strings, Languages, Closure properties, Finite Automata (FA) and Finite State machine (FSM).

1.1 Basics of Languages 1-1
1.1.1 Kleene Closure 1-2
1.1.2 Recursive Definition of a Language 1-2
1.1.3 Prefix and Suffix of a String 1-3
1.2 Grammar (Context Free) 1-3
1.2.1 Notations 1-3
1.2.2 The Language of a Grammar 1-4
1.2.2(A) Sentential Form 1-4
1.2.2(B) Parse Tree 1-5
1.3 Chomskey Hierarchy 1-7
1.3.1 Type 3 or Regular Grammar 1-7
1.3.2 Type 2 or Context Free Grammar 1-7
1.3.3 Type 1 or Context Sensitive Grammar 1-8
1.3.4 Type 0 or Unrestricted Grammar 1-8
1.4 Finite Automata (FA) 1-8
1.4.1 Working of a Finite Automata 1-8
1.4.2 Some Important Terms 1-10
1.4.2(A) Alphabet 1-10
1.4.2(B) Strings (words) 1-10
1.4.2(C) Languages 1-10
1.4.3 Applications of Finite Automata 1-11
1.5 Finite State Machine (FSM) 1-11
1.6 University Questions and Answers 1-12

Chapter 2 : Finite Automata 2-1 to 2-82

Syllabus : Deterministic Finite Automata (DFA) and Nondeterministic Finite Automata (NFA): Definitions, transition diagrams and Language recognizers, Equivalence between NFA with and without ε- transitions, NFA to DFA Conversion, Minimization of DFA, FSM with output: Moore and Mealy machines, Applications and limitations of FA.

2.1 Introduction to Finite Automata 2-1
2.1.1 Working of a Finite Automata 2-1
2.1.2 Some Important Terms 2-2
2.1.2(A) Alphabet 2-2
2.1.2(B) Strings (words) 2-2
2.1.2(C) Languages 2-3
2.1.3 Applications of Finite Automata 2-3
2.2 Deterministic Finite Automata (DFA) 2-4
2.2.1 Definition of a DFA 2-4
2.2.2 Representation of a DFA 2-4
2.2.3 Designing a DFA 2-5
2.2.4 Examples on DFA 2-8
2.2.4(A) Examples on Counting of Symbols 2-8
2.2.4(B) Examples on Substring 2-12
2.2.4(C) Examples of Divisibility 2-20
2.2.5 Language of DFA 2-23
2.2.6 Equivalence of DFAs 2-24
2.2.7 Closure Property of Language Accepted by a DFA 2-27
2.2.7(A) Union, Intersection, Difference 2-27
2.2.7(B) Complementation 2-29
2.2.8 Minimization of DFA 2-29
2.2.8(A) Algorithm for Minimization DFA's 2-30
2.3 Non-deterministic Finite Automata 2-33
2.3.1 Definition of NFA 2-33
2.3.2 Processing of a String by NFA 2-34

2.3.3 NFA to DFA Conversion 2-37

2.3.4 NFA with ε-Transitions 2-52

2.3.4(A) Equivalence of ε-NFA and NFA 2-53

2.3.4(B) The Formal Notation for an ε-NFA 2-53

2.3.4(C) ε-Closures 2-54

2.3.4(D) ε-NFA to DFA 2-55

2.3.5 Difference between NFA and DFA 2-60

2.4 Finite Automata as Output Devices 2-60

2.4.1 A Sample Mealy Machine 2-61

2.4.2 Formal Definition of a Mealy Machine 2-61

2.4.3 A Sample Moore Machine 2-61

2.4.4 Formal Definition of a Moore Machine 2-62

2.4.5 Conversion of a Mealy Machine into a Moore Machine 2-70

2.4.6 Conversion of a Moore Machine into a Mealy Machine 2-75

2.5 Minimization of a Mealy Machine 2-78

2.5.1 Difference between Moore and Mealy Machines 2-80

2.6 University Questions and Answers 2-80

Module - 2

Chapter 3 : Regular Expressions and Languages

3-1 to 3-42

Syllabus : Regular Expression (RE),Equivalence of RE and FA, Arden's Theorem, RE Applications. Regular Language (RL), Closure properties of RLs, Decision properties of RLs, Pumping lemma for RLs.

3.1 Introduction 3-1

3.2 Finite Automata Representing a Regular Expression 3-3

3.2.1 Composite Finite State Automata 3-3

3.3 Determination of Regular Expression 3-6

3.3.1 Language Generated by a Regular Expression 3-7

3.3.2 Basic Properties of Regular Expressions 3-7

3.4 DFA to Regular Expression 3-17

3.4.1 State/Loop Elimination Process 3-17

3.4.1(A) A Generic One State Machine 3-17

3.4.1(B) A Generic Two State Machine 3-18

3.4.2 Arden's Theorem 3-27

3.4.2(A) Application of Arden's Theorem 3-27

3.5 FA Limitations 3-30

3.6 Pumping Lemma for Regular Language 3-30

3.6.1 Definition of Pumping Lemma 3-30

3.6.2 Interpretation of Pumping Lemma 3-31

3.6.3 Proof of Pumping Lemma 3-31

3.6.4 Application of Pumping Lemma 3-32

3.7 Closure Properties of Regular Language 3-36

3.7.1 Regular Language is Closed under Union 3-36

3.7.2 Regular Language is Closed under Concatenation 3-36

3.7.3 Regular Language is Closed under Kleene Star 3-37

3.7.4 Regular Language is Closed under Complementation 3-37

3.7.5 Regular Language is Closed under Intersection 3-37

3.7.6 Regular Languages are Closed under Difference 3-37

3.7.7 Regular Languages are Closed under Reversal 3-38

3.8 Decision Properties of Regular Languages 3-39

3.9 Myhill - Nerode Theorem 3-40

3.10 Applications of RE 3-40

3.10.1 R.E. in Unix 3-41

3.10.2 Lexical Analysis 3-41

3.11 Difference between DFA and NFA 3-41

3.12 University Questions and Answers 3-41

Module - 3

Chapter 4 : Regular Grammar (RG) 4-1 to 4-14

Syllabus : Grammars and Chomsky hierarchy. Regular Grammar (RG), Equivalence of Left and Right linear grammar, Equivalence of RG and FA.

4.1 Regular Grammar 4-1
4.2 DFA to Right-Linear Regular Grammar 4-1
4.2.1 Right Linear Grammar to DFA 4-2
4.3 DFA to Left-Linear Grammar 4-4
4.3.1 Left Linear Grammar to DFA 4-5
4.4 Right Linear Grammar to Left Linear Grammar 4-6
4.5 Left Linear Grammar to Right Linear Grammar 4-8

Chapter 5 : Context Free Grammars (CFG) 5-1 to 5-58

Syllabus : Definition, Sentential forms, Leftmost and Rightmost derivations, Parse tree, Ambiguity, Simplification and Applications, Normal Forms: Chomsky Normal Forms (CNF) and Greibach Normal Forms (GNF), Context Free language (CFL) - Pumping lemma, Closure properties.

5.1 An Example to Explain Grammar 5-1
5.2 Context Free Grammar 5-2
5.2.1 Notations 5-3
5.2.2 The Language of a Grammar 5-3
5.2.2(A) Sentential Form 5-4
5.2.2(B) Parse Tree 5-4
5.2.3 Writing Grammar for a Language 5-8
5.2.3(A) Union Rule for Grammar 5-12
5.2.3(B) Concatenation Rule for Grammar 5-12
5.3 Ambiguous Grammar 5-21
5.4 Simplification of CFG 5-29
5.4.1 Elimination of Useless Symbols 5-29
5.4.1(A) Non-generating Symbols 5-29
5.4.1(B) Non-reachable Symbols 5-30
5.4.2 Elimination of ε-productions 5-31
5.4.3 Elimination of Unit Productions 5-33
5.5 Normal Forms for CFG 5-37
5.5.1 Chomsky Normal Form (CNF) 5-37
5.5.1(A) Algorithm for CFG to CNF Conversion 5-37
5.5.2 Greibach Normal Form (GNF) 5-43
5.5.2(A) Removing Left Recursion 5-43
5.5.2(B) Algorithm for Conversion from CFG to GNF 5-43
5.6 Pumping Lemma for CFG 5-52
5.7 Properties of Context-free Languages 5-54
5.7.1 Closure Properties 5-54
5.7.1(A) CFL is Closed under Union 5-54
5.7.1(B) CFL is Closed under Concatenation 5-55
5.7.1(C) CFL is Closed under Kleene Star 5-55
5.7.1(D) CFL is not Closed under Intersection 5-55
5.7.1(E) CFL is not Closed under Complementation 5-55
5.7.1(F) Intersection of CFL and RL 5-56
5.7.1(G) CFL is Closed under Reversal 5-56
5.7.2 Algorithmic Properties (Decision Properties) 5-56
5.8 University Questions and Answers 5-57

Module - 4

Chapter 6 : Pushdown Automata (PDA) 6-1 to 6-36

Syllabus : Definition, Language of PDA,PDA as generator, decider and acceptor of CFG, Deterministic PDA , Non-Deterministic PDA, Application of PDA.

6.1 Introduction to Pushdown Automata (PDA) 6-1
6.2 The Formal Definition of PDA 6-2
6.3 Instantaneous Description of a PDA 6-3
6.4 The Language of a PDA 6-5

6.4.1 Acceptance by Final State 6-5

6.4.2 Acceptance by Empty Stack 6-5

6.5 Non-deterministic PDA (NPDA) 6-15

6.6 Pushdown Automata and Context Free Language 6-18

6.6.1 Construction of PDA from CFG 6-19

6.6.2 Construction of CFG from PDA 6-22

6.7 Deterministic Pushdown Automata (DPDA) 6-30

6.7.1 Regular Language and DPDA 6-30

6.8 Application of PDA 6-31

6.9 Parsing 6-31

6.9.1 Top-Down Parsing 6-32

6.9.2 Bottom-Up Parsing 6-33

6.10 Multistack DPDA 6-34

6.11 Power of Various Machines 6-34

6.12 Difference between FA and PDA 6-35

6.13 University Questions and Answers 6-35

Module - 5

Chapter 7 : Turing Machine (TM) 7-1 to 7-44

Syllabus : Definition, Design of TM as generator, decider and acceptor, Variants of TM: Multitrack, Multitape, Universal TM, Applications, Power and Limitations of TMs.

7.1 Introduction to Turing Machine 7-1

7.2 The Formal Definition of Turing Machine 7-3

7.2.1 A String Accepted by TM 7-3

7.2.2 Instantaneous Descriptions for Turing Machines 7-5

7.3 Turing Machines as Computer of Functions 7-21

7.4 Extension of Turing Machine 7-39

7.4.1 Two-way Infinite Turing Machine 7-39

7.4.2 A Turing Machine with Multiple Heads 7-39

7.4.3 Multi-Tape Turing Machine 7-39

7.4.4 Non-deterministic Turing Machine 7-41

7.5 Universal Turing Machine 7-42

7.5.1 Church-Turing Hypothesis 7-43

7.5.2 Power of Various Machines 7-43

7.6 Linear Bounded Automata 7-43

7.7 University Questions and Answers 7-44

Module - 6

Chapter 8 : Undecidability 8-1 to 8-12

Syllabus : Decidability and Undecidability, Recursive and Recursively Enumerable Languages, Halting Problem, Rice's Theorem, Post Correspondence Problem.

8.1 Recursive and Recursively Enumerable Language 8-1

8.1.1 Turing Acceptable Language 8-1

8.2 Enumerating a Language 8-4

8.2.1 Finite and Infinite Sets 8-4

8.3 Compare Type 0, Type 1, Type 2 and Type 3 Grammars 8-6

8.4 Un-decidability 8-6

8.4.1 Halting Problem of a Turing Machine 8-7

8.4.2 Un-decidability of Post Correspondence Problem 8-8

8.4.3 Rice's Theorem 8-10

8.4.4 Greibach Theorem 8-11

8.5 Partial Recursive Function 8-11

8.6 University Questions and Answers 8-11

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