PORTIONS FOR SECOND INTERNALS

SUBJECT	PORTIONS
TFCS	**UNIT 2:** Pumping Lemma, Equivalence and minimization of automata, Closure properties of regular languages. Applications of RE –RE in Unix, Lexical analysis, finding patterns in text. **UNIT 3:** Context Free Grammars and Languages, Parse trees, Application of Context Free Grammars, Ambiguity in Grammars and Languages, Simplification of Context Free Grammar, Normal Forms – CNF and GNF
OOMD	Advanced State Modelling, Interaction Modelling, Advanced Interaction Modelling, System Conception
MAD	**UNIT 2:** Introducing Fragments. Creating New Views, Introducing Adapters. Introducing Intents: Introducing Pending Intents. Using Internet Resources: Connecting to an Internet Resource, Creating an Earthquake Viewer. **UNIT 3:** Files, Saving State, and Preferences: Saving Simple Application Data, Creating and Saving Shared Preferences, Retrieving Shared references, creating a Settings Activity for the Earthquake Viewer, Introducing the Preference Framework and Preferences Activity, creating a Standard Preference Activity for the Earthquake Viewer, Including Static Files as Resources, Working with the File System: File Management Tools. **Databases and Content Providers:** Introducing Android Databases, Introducing SQLite, Content Values and Cursers, Working with SQLite Databases.
SPMF	**UNIT 2:** Create Project Plan, Diagnosing Project Planning Problems **UNIT 3:** Integration: The Charter, Project Management Plan. Scope: Beginning the scope, Scope contents. Triple Constraints, Priority Matrix, Scope Issues, Sample scope statement **UNIT 4:** Managing Project Cost, Estimation Project cost
AI	**UNIT 2:** Propositional theorem proving, Effective propositional model checking, Agents based on propositional logic. Using Predicate Logic: Representing simple facts in logic. **UNIT 3:** Resolution, Natural Deduction, Learning: Forms of Learning; Inductive Learning, Learning Decision Trees.
FLN	**UNIT 2:** Effect of tuning parameters of the Backpropagation Neural Network, Selection of Various Parameters in Backpropagation Network, variations of Standard Backpropagation algorithm. **UNIT 3:** Fuzzy versus Crisp, Crisp Sets- Operations on Crisp Sets, properties, Partition and Covering, Fuzzy Sets- Membership Function, Basic Fuzzy Set Operations, Properties of Fuzzy sets, Crisp Relations- Cartesian Product, Other Crisp Relation, Operations of Relations, Fuzzy Relations- Fuzzy Cartesian Product, Operations on Fuzzy Relations.