

SYSTEM ANALYSIS AND DESIGN

BCA-401

- CHAPTER-1**
- 1. Introduction** Concepts of a system, examples of systems, and types of systems- open and closed, static and dynamic with examples.
 - 2. Overview of System Analysis and Design**, System development life cycle, brief introduction to analysis, design, implementation and testing and maintenance.
- CHAPTER-2**
investigation.
- 3. Preliminary Investigation**, Project selection, scope definition and preliminary analysis.
 - 4. Feasibility Study** Technical and economic and operational feasibility ,cost and benefit analysis.
- CHAPTER-3**
- 5. Requirement Specification and Analysis** Fact finding techniques, data flow diagrams, data dictionaries, decision trees and tables.
 - 6. Detailed Design** Module Specification, file design, database design.
- CHAPTER-4**
- 7. Testing and Quality Assurance**, \Maintenance, unit and integration testing techniques, design objectives, quality factors such as reliability correctness etc.
 - 8. User Education and Training**, Issues in user education and training, method of educating and training the user.