Practical-7

Aim: To study about Structure System analysis and Design method (SSADM).

Objective: To get familiar with Structure Approach Method and learn various Techniques of SSADM to model a System.

References: Software Engineering by Roger Pressman, Software Engineering by K.K. Aggarwal, Software Engineering by Rajib mall.

Prerequisite: Knowledge of Data Modeling, Functional Modeling.

Summary: Structured Systems Analysis and Design Methodology (SSADM) is a systems approach to the analysis and design of information systems. SSADM uses a combination of three techniques: Logical Data Modeling, Data Flow Modeling, and Entity Behavior Modeling. System analysis is major focus on "what" the system is accomplished, not how. SSADM uses various Modeling tools to represent the data flows, processing and data stores like data flow diagrams, data dictionary, process specification, entity-relationship diagrams.

NOTE: DFD Manual is available in SE Practical list (see the link).

Practical: Draw the **Context Level Diagram (CLD)** and **Data Flow Diagram (DFD) (Level – 0 & Level - 1)** for given Systems. (Any Two)

Problem:

1) Online Library Management System (LMS).
2) Online Airline Reservation System (ARS).
3) Online Railway Reservation System (RRS).
4) Online Video Library Management System (VLMS).

Lab Assignment:

(1) Write the difference between CLD and DFD

Ans:_____

(2) Discuss various notations of DFD and DFD rules

Ans:_____

Symbol	Meaning	Example