# Experiment 5: Modeling Data Flow Diagram & Control Flow Diagram

Objective:  
To draw Data Flow Diagram (DFD) and Control Flow Diagram (CFD) for the given project.

Theory:  
A Data Flow Diagram (DFD) is a graphical representation of the flow of data through a system. It shows how input data is transformed into output data through processes. The DFD focuses on the movement of data between processes, data stores, and external entities.

A Control Flow Diagram (CFD) depicts the control logic of processes within a system. It shows the sequence of operations, decision points, and the flow of control among different components.

Steps:  
1. Identify the major processes of the system.  
2. Determine external entities and data stores.  
3. Represent the flow of data between entities, processes, and data stores using arrows.  
4. Draw the DFD (context level, level 1, and level 2 if needed).  
5. Draw the Control Flow Diagram showing control conditions, decisions, and flow paths.

Conclusion:  
The Data Flow Diagram and Control Flow Diagram help visualize data movement and control logic in the system, making the design phase more structured and efficient.