SNS COLLEGE OF ENGINEERING

Kurumbapalayam(Po), Coimbatore – 641 107
Accredited by NAAC-UGC with 'A' Grade
Approved by AICTE, Recognized by UGC & Affiliated to Anna University, Chennai

Department of Information Technology

Course Name –Software Engineering

II Year / III Semester

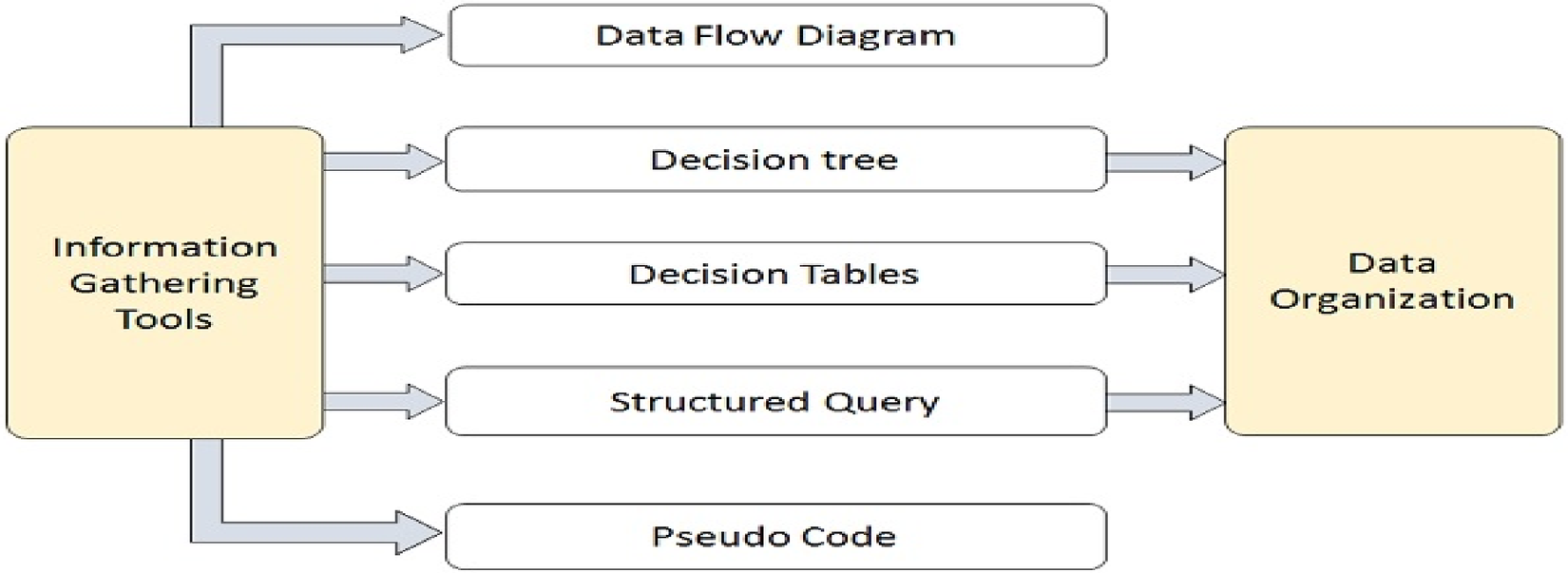
SRS Standards

Structured Analysis and Data Dictionary

Structured Analysis

During Structured Analysis, various tools and techniques are used for system development. They are −

- Data Flow Diagrams
- Data Dictionary
- Decision Trees
- Decision Tables
- Structured English
- Pseudocode


Information Gathering Tools
Data Flow Diagram
Decision tree
Decision Tables
Structured Query
Pseudo Code
Data Organization

Data Dictionary

- A data dictionary is a structured repository of data elements in the system.
- It stores the descriptions of all DFD data elements that is, details and definitions of data flows, data stores, data stored in data stores, and the processes.
- A data dictionary improves the communication between the analyst and the user.
- It plays an important role in building a database.
- Most DBMSs have a data dictionary as a standard feature.
- For example, refer the following table −

Sr.No.	Data Name	Description	No. of Characters
1	ISBN	ISBN Number	10
2	TITLE	title	60
3	SUB	Book Subjects	80
4	ANAME	Author Name	15