DATABASE MANAGEMENT SYSTEM

**Limitations of File-based Approach**

ADVANTAGES

-CONTROL OF DATA REDUNDANCY

-DATA CONSINTENCY

-SHARING OF DATA

-IMPROVED DATA INTEGRITY

DISADVANTAGES

-COMPLEXITY

-SIZE

-ADDITIONAL COST

-PERFORMANCE

-HARDWARE,SOFTWARE,DATA,PROCEDURES,PEOPLE

DATABASE SYSTEM ENVIRONMENT

DATABASE

FILE BASED SYSTEMS

**Collection of application programs that perform services for the end users**

INFORMATION

-resultant form of the facts

-processed

-must be meaningful

DATA

-measure of a facts

-unprocessed

-meaningful

OPERATION MAINTENANCE

DATA CONVERSION

PROTOTYPING

USER INTERFACE

TRANSACTION DESIGN

DATABASE ADMINSTRATION

TESTING

IMPLEMENTATION

PHYSICAL

LOGICAL

CONCEPTUAL

PHASES

MODELLING

APPROACH

3.DEVELOPMENT OF STANDARD

2.MISSION OBJECTIVE

1.MISSION STATEMENT

DATABASE PLANNING

PHYSICAL DATA

LOGICAL DATA

INTERNAL LAYER

EXTERNAL LAYER

CONCEPTUAL LAYER