DATA AND INFORMATION

Limitations of File-based Approach

DATABASE

DESCRIPTION

LOGICALLY

HARDWARE,SOFTWARE,DATA,PROCEDURES,PEOPLE

ADVANTAGE

-Increased productivity

-Improved maintenance through data independence

-Increased concurrency

DISADVANTAGES

-Complexity

-Size

-Additional hardware costs

INTERNAL LAYER

CONCEPTUAL LAYER

EXTERNAL LAYER

PHYSICAL DATA

LOGICAL DATA

DATABASE PLANNING

MISSION STATEMENT

MISSION OBJECTIVE

DEVELOPMENT OF STANDARD

MODELING

APPROACH

PHASES

PHYSICAL

LOGICAL

CONCEPTUAL

OPERATION MAINTENANCE

DATABASE ADMINSTRATIO

TESTING

IMPLEMENTATION

USER INTERFACE

DATA CONVERSION

PROTOTYPING

TRANSACTION