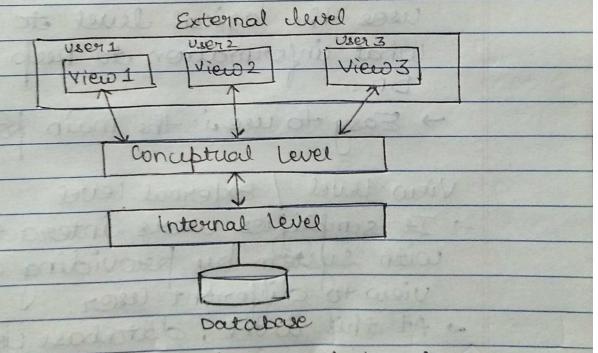
Date.	
Page No.	

## DBMS Architecture

The main purpose of DBMS is to proviole users with an abstract view of the data. It means that DBMS wides how the data is stored.

Thru level Architecture focuses on enabling multiple users to access the same data with a personalized view while storing the data only once.



Physical level/internal level

-> low level of datastructures are

used.

- It has physical echema that describes physical storage stoucture of DB.

- lowest level of abstraction.

Date.		
Page	No	

describes how the data are stored -> We must define algorithms that allow efficient access to data.

Logical Level / Conceptual level - It describes the design of a dat abase at the conceptual level - Describes what data and stored in DB and what relationships exists amongst them. -> DBA (Data base Administrator) uses the logical level to decide what information to keep in the DB-

-> Easy to use is the main believity

View Level / External Level - It simplifies user's interaction

wiew to different user.

- At this level, database contains several schemas that sometimes -called as subscheme. These subschema are used to describe the different view of the database -> It also provides security mechani sms to prevent users to access

Date.	
Page No	

certain parts of database.

DBA (Database Administrator) DBA is an individual responsible for controlling, maintaining, co-or dinating and operating a data-base management system.

DBA plays a crucial role in enswing the reliability, performance and security of an organization's data.

+Functions of DBA

- (i) Database maintenance
- (ii) Database security
- (iii) Database toubleshooting
- (tu) Database obesign & implementation
- (v) Authorization control
- (vi) Routine maintenance
  - 20 Periodic backups
  - u Security patches
    u Opgrades.