1) Hoarding techniques in database issue. A Database is a Collection of systematically Stored reloads (as) information databases store data in a pasticular logical manner. A mobile device is not always connected to the server or a network neither does the device retrieve data from a server (or) network for each Computation sother the device caches some specific data which may be required for future Computations, during the interval in which the device is connect less to the server calling entails saving a copy of select data (08) a Past of database from a Connected system with large database. The catched data is horded in the mobile device database.

Database Hoosding's

Database hoasding may be done at the affliction ties itself. The following figure shows a simple architecture in which a mobile device. After directly retrieves the data from a database. It also shows another simple, architecture in which a mobile the data from a database through a longram.

rest Database

Mobile device database API: IZME ON BREW: XML database (ON) other db and the Catched dbs.

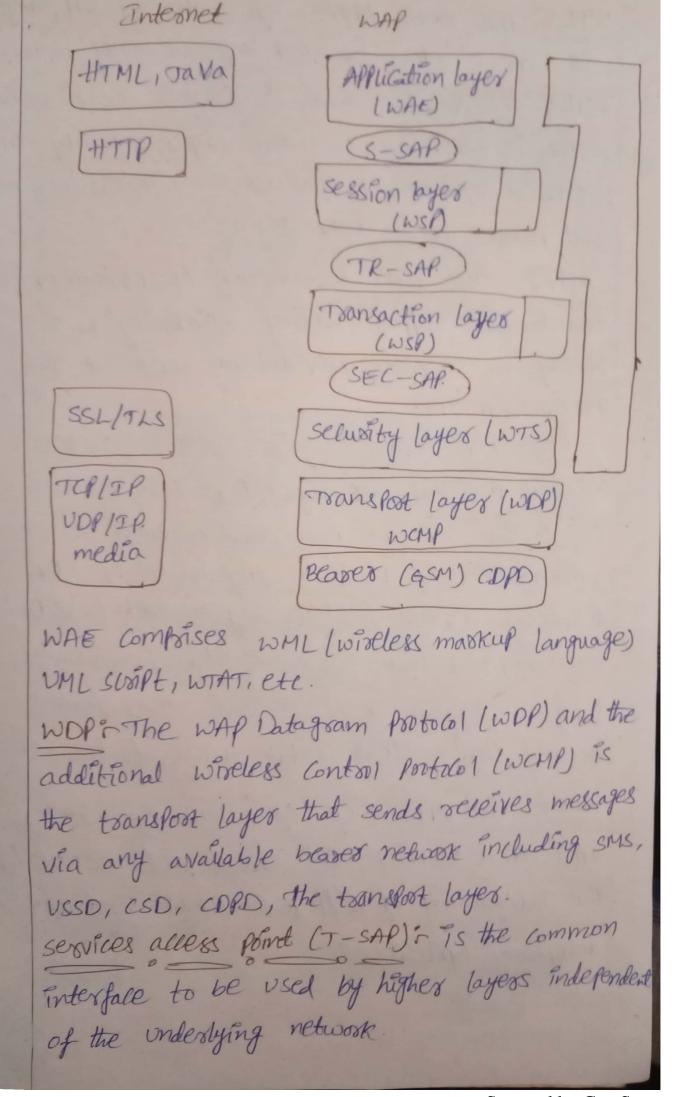
frest Database on a mobile device.

2) Wireless Application Protocol (WAP)

- Wiseless Application prototol Commonly known as war is used to enable the access of internet in the mobile shones (08) PDAS.

- An open global specification that empowers mobile users with wixeless devices to easily access and interact with internet do information and services instantly.

The following figure gives an overview of the WAP architecture. Its Protocol and Components and Components and Components architecture. It internet architecture. When using the world wide. The basis for transmission of data is formed by different bearer services. WAP does not specify bearer bearer services. WAP does not specify bearer services, but uses existing data services and will integrate further services.



With its wireless transfort layer security probocol with its wireless transfort layer security probocol with offers its services at the security sap. with is based on transfort layer security with has been oftimized, for use in wireless networks with narrow band channels.

transaction suffort adding reliability to the datagram services provided by wor at the transaction SAP.

WSPE The session layer with the wiseless session ProtoGol Worthy offers two services at the session-SAP one Connection oriented and one connectionless. if used directly on for of WDP. A special service for browsing the web (wsP/B) has been defined that offers HTTP/101 functionality, long-lived session start and other feature. needed for wireless mobile access to the web. WAE'S The Application layer with the isrseless application envisonment offers a frame work for the integration of different www. and mobile teleshony applications.