Lecture #3 Wireless Application Protocol (WAP Technology)

1. Define WAP

   WAP is a Wireless Application Protocol.

2. Define Protocol

   Protocol is a set of rules in network

3. Give a brief discussion about WAP

   WAP stands for **W**ireless **A**pplication **P**rotocol

   WAP is an **Application Layer Communication Protocol**

   WAP is used to **Access Services and getting Information**

   WAP is **Inherited** from Internet standards

   WAP is for **Handheld devices** such as **Mobile Phones, PDA**

   WAP is a **protocol** designed for **Micro Browsers**

   WAP enables the creating of **Web Applications** for Mobile Devices.

   WAP uses the **Mark-Up Language WML** (not HTML)

   WML is defined as an **XML 1.0** application

4. Define Micro Web Browser

   A Micro Browser is a small piece of software that makes minimal demands on hardware, memory and CPU. It can display information written in a restricted mark-up language called WML.

   The Micro Browser can also interpret a reduced version of JavaScript called WMLScript.

   To fit into a small wireless terminal, WAP uses a Micro Browser.

5. What is the Expansion of WML?

   Wireless Markup Language

6. The home page of WML is known as <u>Decks</u>

7. The Decks are constructed as <u>Cards</u>

8. What are the limitations of WAP?
   a. Low bandwidth network
   b. High Latency network
   c. Limited connection stability
   d. Small display size
   e. Limited input facility
   f. Limited memory
   g. Limited processing power

9. Draw the architecture of WAP Technology