

SPM1012: TELECOMMUNICATION AND  
NETWORKING

# Web Conferencing

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## Discussion on :

- Basic concept of web based learning
- IP-Enabled Services for conferencing
  - Chatting, Internet Phone, Discussion groups, Buletin board, Mailing List, Listserve, Blogs etc

# Web Based Learning

- **Web-based Learning = Online Learning = Internet-based learning.**
- Only one part of technology-based learning and describes learning via Internet, intranet, and extranet.

# Web Based Learning

- Levels of sophistication of online **learning** vary.
  - A basic online **learning** program includes the text and graphics of the course, exercises, testing, and record keeping, such as test scores and bookmarks.

text

test

exercises

graphics

**Records : Test Scores, Bookmark**

# Web Based Learning

- Levels of sophistication of online **learning** vary.
  - A sophisticated online **learning** program includes animations, simulations, audio and video sequences, peer and expert discussion groups, online mentoring, links to material on intranet or the **Web**, and communications with education records.

# Internet for Conferencing

## Interactivity

- **WWW:** The web is set up to handle two way communications :
  - e-mail forms, take quizzes, or vote.
  - bulletin boards, chat rooms, calendars or keep track of where users have been.
- Problems : standards, platform issues, and browser incompatibilities . . . .

# Internet for Conferencing

- **Internet Relay Chat (IRC)** is a form of real-time Internet text messaging or synchronous conferencing.
  - designed for group communication in discussion forums, called *channels*,
  - Allows one-to-one communication via private message

# Internet for Conferencing

## Chat rooms

- an Internet service that allows multiple user to chat (exchange real-time typed messages) at one time
- Synchronous communication = Participants to be online at the same time
- Typically set for specific topic
- Most are open to everyone, but users can set private room - password enabled



# Internet for Conferencing

**Discussion groups** (= message boards, newsgroups, online forums)

Facilitate written discussions between people on specific subjects, eg hobby, education etc

message will be displayed for anyone accessing the message board to read and respond to

Some groups communications are incorporated into e-mail programmes through mailing list

Asynchronous communication – do not have to be online at the same time

# Internet for Conferencing

## Mailing Lists

- basically a group of people who share a common interest (usually a large group).
- members send messages to the mailing list, and these messages are then distributed to everyone on the list.
- A variation is to have a mailing list that is out-going only. Companies use this type to send their customers newsletters and update information.

# Internet for Conferencing

## LISTSERV

- An automatic [mailing list server](#) developed by Eric Thomas for BITNET in 1986. When e-mail is addressed to a LISTSERV mailing list, it is [automatically broadcast to everyone on the list](#). The result is similar to a newsgroup or forum, except that the messages are transmitted as e-mail and are therefore [available only to individuals on the list](#).
- LISTSERV refers to a specific mailing list server, the term is sometimes used incorrectly to refer to any mailing list server. Another popular mailing list server is [Majordomo](#), which is freeware.

# Internet for Conferencing

## Bulletin Boards

- An electronic message center. Most bulletin boards serve specific interest groups.
- They allow you to, review messages left by others, and leave your own message if you want.

## VoIP

- Voice over Internet Protocol (VoIP), is a technology that allows you to make voice calls using a broadband Internet connection instead of a regular (or analog) phone line.



## VoIP

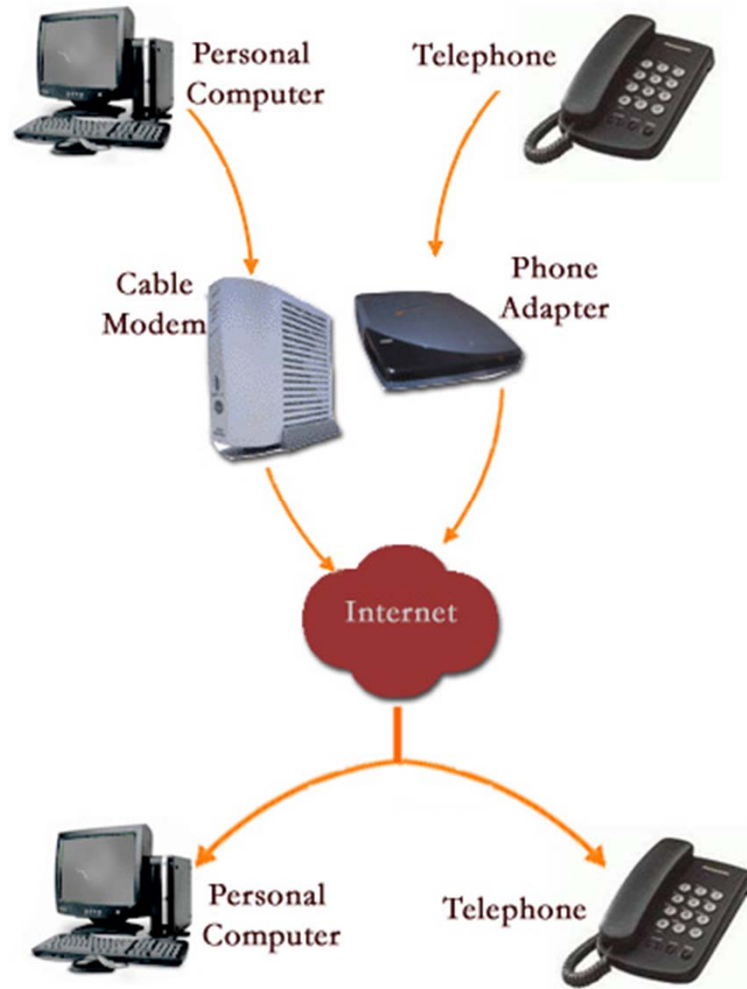
- Voice over Internet Protocol (VoIP), is a technology that allows you to make voice calls using a broadband Internet connection instead of a regular (or analog) phone line.
- Protocol allowing telephone calls over any type of data network



## VoIP

### Type of services

1. PC-to-PC e.g via IM, YM, Skype, Gizmo : using microphone/speaker or headset, calls also can be made to or received from conventional or mobile phones
2. Via WiFi connection
3. Via Broadband internet connection





## Web Conferencing

### **Web conferencing (= Teleconferencing or Video conferencing)**

The use of computers, video cameras, microphones, and other communications technologies to conduct **face-to-face** meetings among people in different locations over the Internet

# Web Conferencing

- Nearly always two-way communication
- For a small group web conference, using PC, each participant is connected to other participants via the internet.
- for large group, require more sophisticated setup e.g special dedicated video conferencing room
- One way applications : monitoring home/office from intruders, parents to watch live video on children in child care etc

# BLOGS

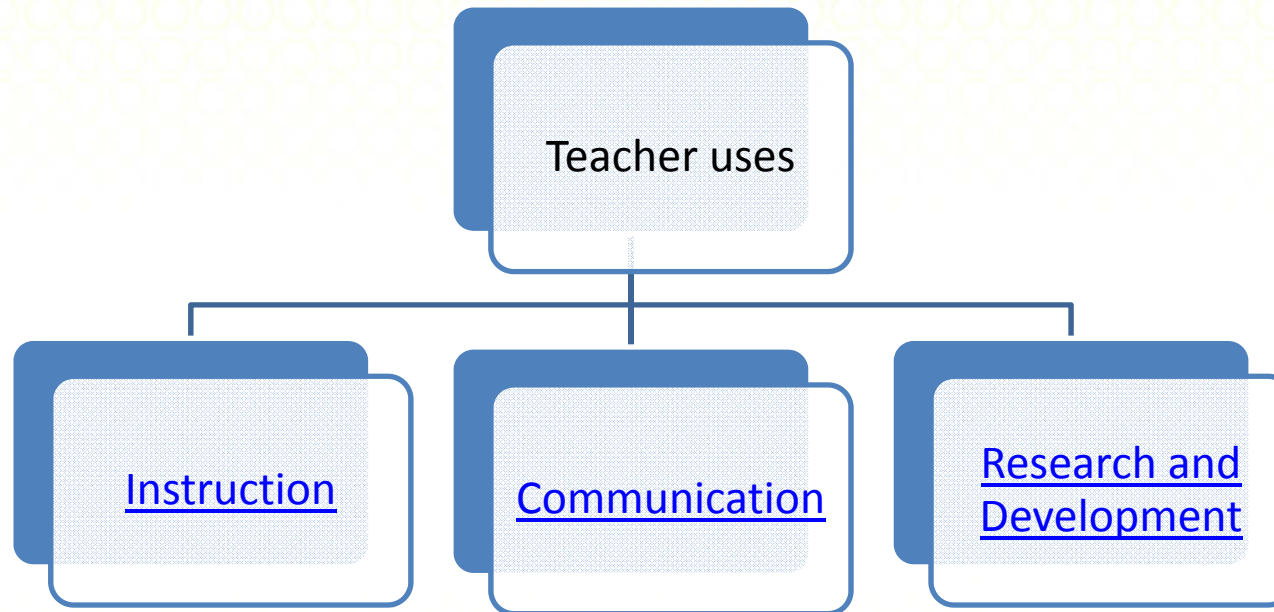
aka **web log** = a web page that contains short ,  
frequently updated entries in chronological order,  
typically by individual as a means of expression or  
communication

An online personal journal (by.....) accessible by public.  
Used for personal commentary, research updates,  
gossips, travel diaries....etc

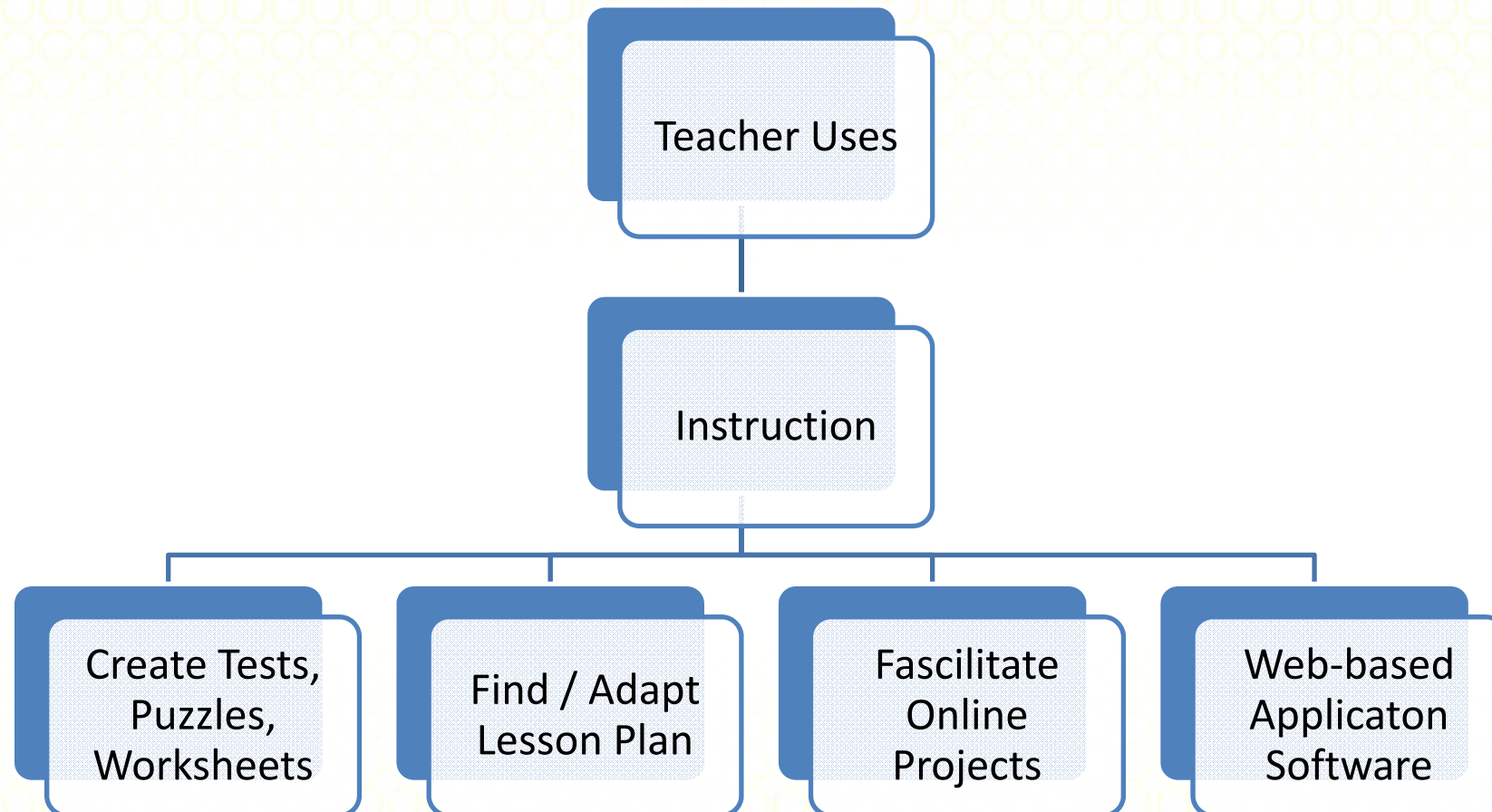
# Social Networking

- Social networking sites : a site that creates a community of individuals with common interests
- E.g Facebook, Myspace, Friendster, Flickr, Meetup, .....

# Internet for Teaching and Learning

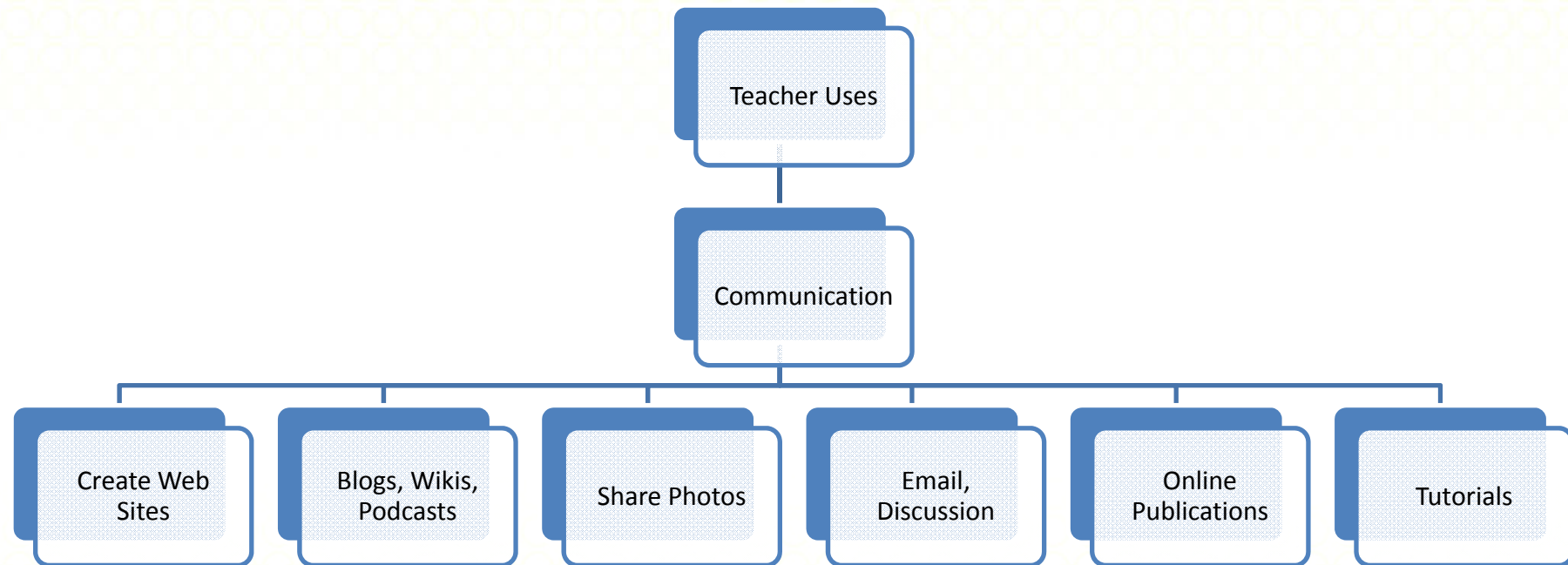


# Internet for Teaching and Learning

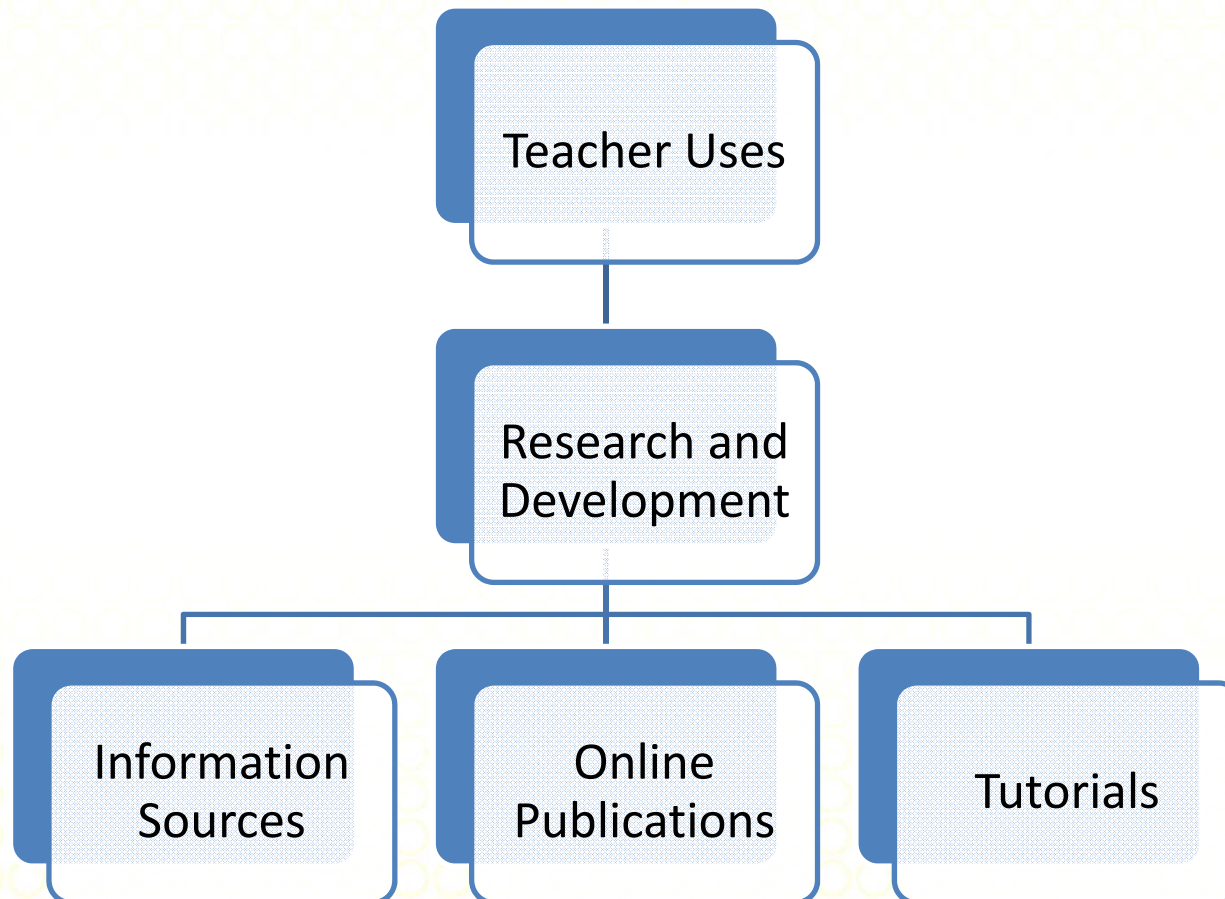




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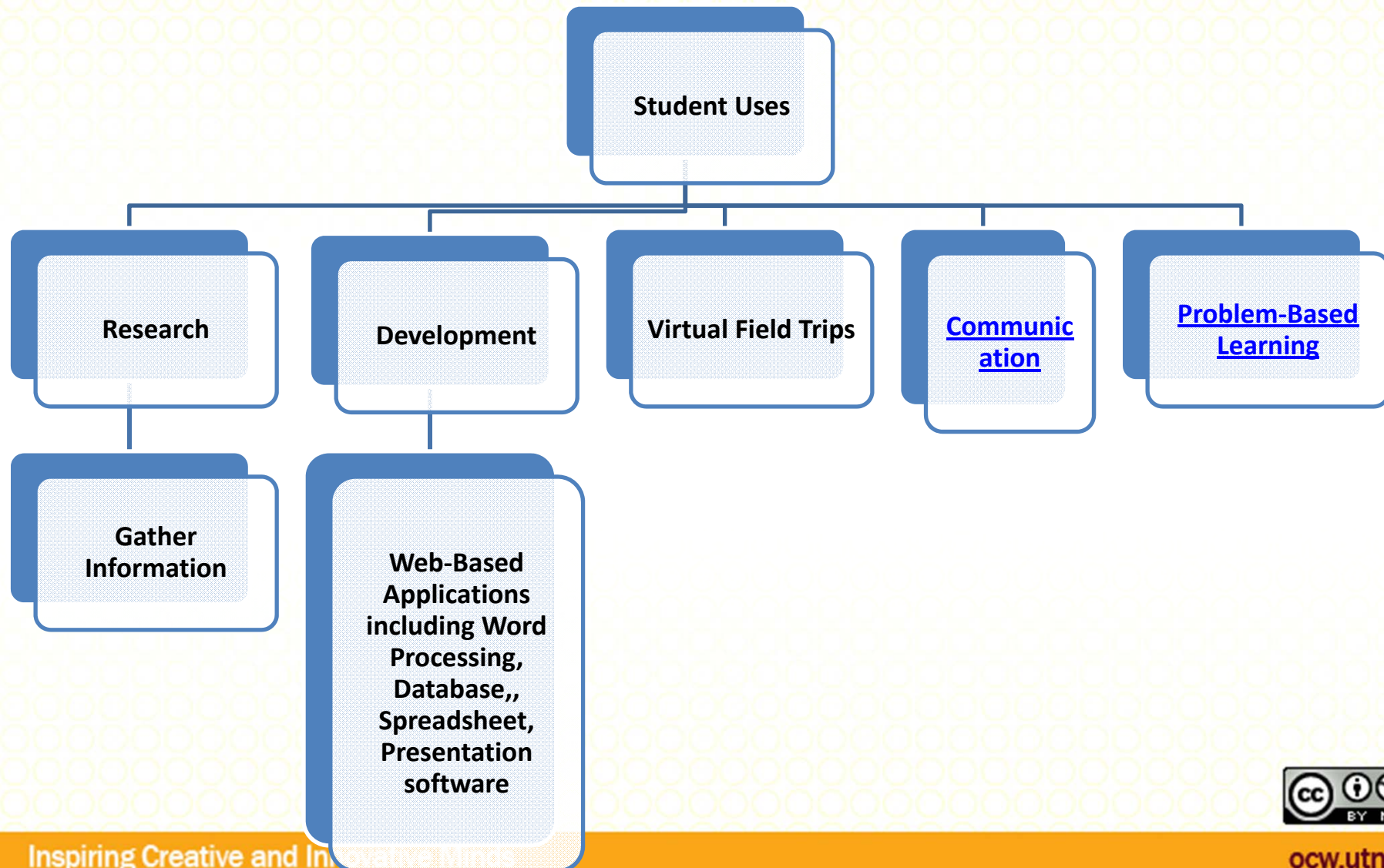


# Internet for Teaching and Learning

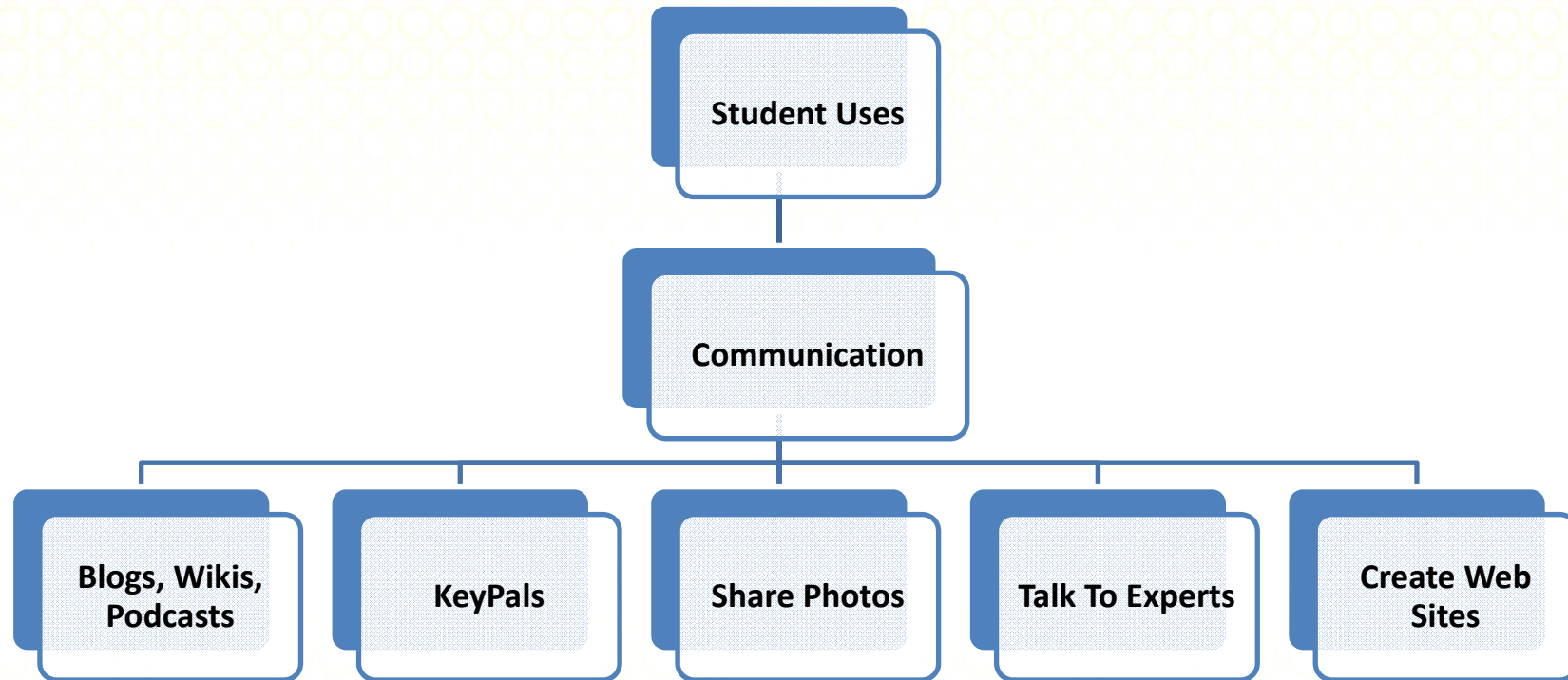




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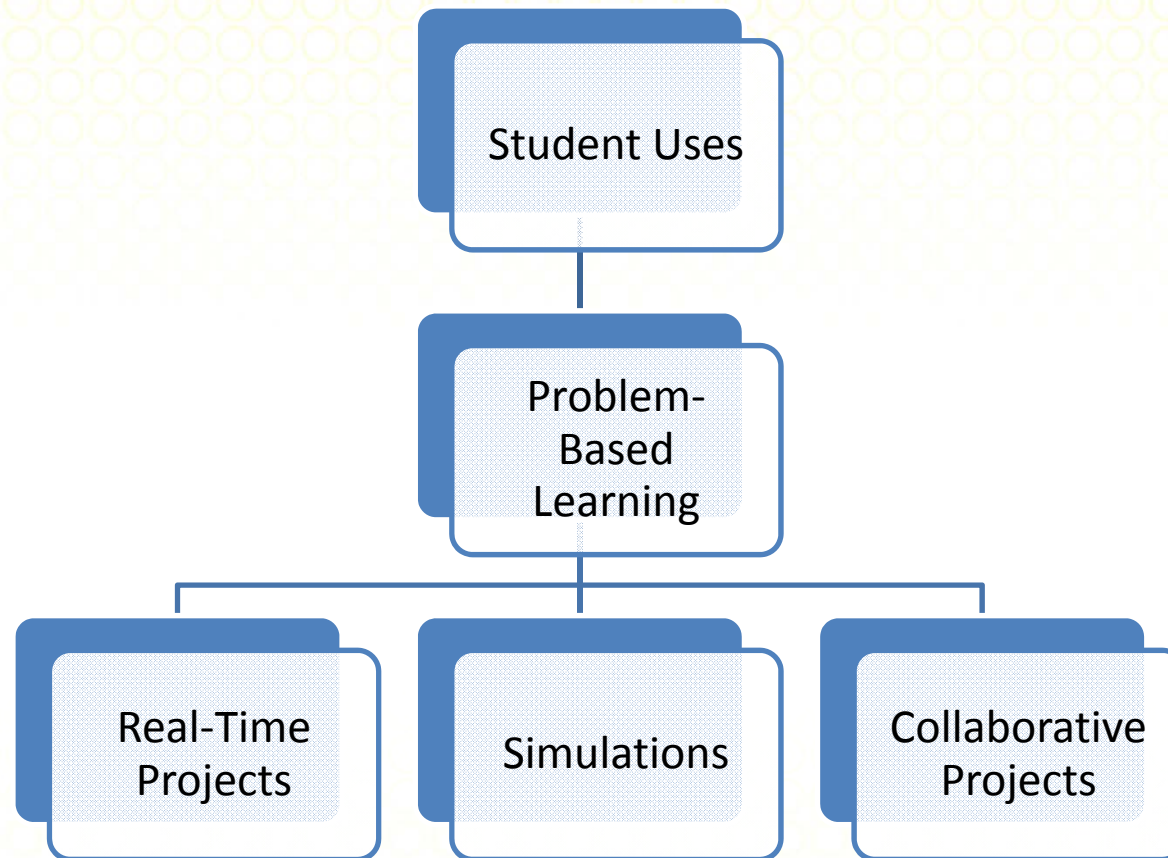


# Internet for Teaching and Learning





# Internet for Teaching and Learning



**Thank You**

