

## Practical No. 19: Internet for different Web Services

### I Practical Significance

The Internet carries an extensive range of information resources and services, such as the inter-linked hypertext documents of the World Wide Web (WWW), chatting on Internet, e-mail, video conferencing, e-learning, e-shopping, e-reservation, e-groups, social networking. This practical is useful for developing necessary skills required to get web services.

### II Relevant Program Outcomes

**Basic knowledge:** Apply knowledge of basic mathematics, science and basic engineering to solve the problems related to application of computers and communication services in storing, manipulating and transmitting data, often in the context of a business or other enterprise.

**Experiments and practice:** Plan to perform experiments, practices and to use the results to solve Information Technology related problems.

**Engineering tools:** Apply appropriate Information Technology related techniques/ tools with an understanding of the limitations.

**The engineer and society:** Assess societal, health, safety and legal issues and the consequent responsibilities relevant to practice in the field of Information technology.

**Ethics:** Apply ethical principles for commitment to professional ethics, responsibilities and norms of practice in the field of Information Technology.

**Communication:** Communicate effectively in oral and written form.

### III Relevant Course Outcomes

Use different types of web browsers.

### IV Practical Learning Outcome

Use internet for different web services.

### V Practical Skills

Use internet for sending e-mail, video-conferencing, e-learning, e-shopping, e-reservation, e-groups, social networking.

### VI Relevant Affective domain related Outcomes

- a. Use of appropriate web servers and web site to retrieve desired information.
- b. Follow ethical practices.

### VII Minimum Theoretical Background

To retrieve information one needs to use internet and search relevant information on website. There are many website where almost any information is available. As an internet user, one needs to use desired keywords to get such information. These websites are collection of different web pages stored across web servers. To get the information user can choose any available web browser such as Internet explorer, Google Chrome, Mozilla Firefox, Safari etc.

### VIII Circuit diagram / Experimental set-up / Work Situation

-Not Applicable-



**IX Resources required**

Sr. No.	Name of Resource	Specification	Qty.	Remarks
1	Computer System	Any desktop or laptop computer with basic configuration	One computer system for each student	
2	Web Browser	Internet Explorer, Google Chrome, Opera, Mozilla Firefox or any other web browser		Web browsers on computer system may be made available pre loaded or students may be given the set up copy and asked to load the same on their computer systems.

**X Procedure**

1. Open a website with web browser-
  - a. Open a web browser window.
  - b. Type Uniform Resource Locator (URL) inside the address bar of web browser window and press 'Enter' key.
2. Create user account for e-mail-
  - a. Open a web browser window.
  - b. Type Uniform Resource Locator (URL) inside the address bar of web browser window and press 'Enter' key.
  - c. Click on hyperlink create account to open registration form.
  - d. Enter required fields in the form and confirm the registration.
3. Send e-mail to different users-
  - a. Open a web browser window.
  - b. Type Uniform Resource Locator (URL) inside the address bar of web browser window and press 'Enter' key.
  - c. Type user id and password and click on login/sign in.
  - d. To create and send new mail, click on *Compose* button.
  - e. Type email id at "To:" to whom the message has to be sent.
  - f. Type subject at "Subject:".
  - g. Type the body of the mail.
  - h. If users want to attach a file, click at "Attach" and select file to be attached and click "Open".
  - i. Click at "Send" option.
4. Perform chatting on Internet-
  - a. Open Messenger application and sign in using Email\_Id/User Name and password and click on sign in button.
  - b. From the list of friends, select the name of a person with whom user want to talk.
  - c. Types the message for e.g. 'Hi, how are you?' and click on 'Send' button.
  - d. Read the reply from friend and type next message in the same window with 'send' button.
5. Perform video conferencing-

- a. Check the cameras at each location; make sure all the images are clear.
- b. Check audio input, whether it's through a microphone, a telephone or speakers on computer, to assure high-quality sound output.
- c. Choose the video conferencing software that user want to use and install the software on computer.
- d. Experiment with audio output to make sure that speakers or headphones received audio communications without interference.

**XI Precautions**

1. Email address is written properly.
2. Follow the instruction related to safe use of Internet.

**XII Actual procedure followed**

PLEASE REFER POINT X . PROCEDURE

**XIII Resources used (with major specifications)**

Computer System Any desktop or laptop with basic config.  
WEB Browser Google Chrome, Firefox, Opera mini

**XIV Precautions followed**

- 1) Email address is written properly.
- 2) Follow the instruction related to safe use of Internet.

**XV Observations and Calculations**

- Not Applicable -

**XVI Results**

Thus, we come to know more about Web Browser.

**XVII Interpretation of results**

Thus got to know more about sending E-mail and Web Browser.

**XVIII Conclusions and Recommendations (if any)**

Got more information related to safe use of Internet, Google chrome, Google Email.

**XIX Practical Related Questions**

*Note: Below given are few sample questions for reference. Teachers must design more such questions so as to ensure the achievement of identified CO.*

1. Enlist any three chatting environment.
2. Write procedure to create new group in messenger.
3. Write procedure to create signature while sending e-mail.

**XX Exercise**

*Note: Below given are few sample questions for reference. Teachers must design more such questions so as to ensure the achievement of identified CO.*

1. Open any search engine and search information about ICT.
2. Open following web and view complete session. Write down important points  
<http://nptel.ac.in/courses/110105079/58>

**XXI References / Suggestions for further Reading**

1. <https://informatics.buzdo.com/p914-internet-services.htm>
2. <http://mark.random-article.com/weber/inet/week3.html>

**XXII Assessment Scheme**

Performance indicators		Weightage
<b>Process related (10 Marks)</b>		<b>40 %</b>
a.	Tool Selection Ability.	20%
b.	Use of Appropriate tool to perform the identified task(s)	20%
<b>Product related (15 Marks)</b>		<b>60 %</b>
a.	Performed/completed the identified task(s)	20%
b.	Correctness of output achieved	20%
c.	Completed the practical in stipulated time	10%
d.	Correctness of question asked	10%
<b>Total ( 25 Marks)</b>		<b>100 %</b>

**List of Student Team Members**

1. ....
2. ....
3. ....
4. ....

Marks Obtained			Dated signature of Teacher
Process Related(10)	Product Related(15)	Total(25)	

(Space for Answer)

**Practical Related Questions**

1. Enlist any three chatting environment.
- Answer: WhatsApp: WhatsApp messenger is a free chatting app with more than 5 billion downloads. It also provides free voice and video calling facility.

Google Hangouts: Google Hangouts is one of the best apps for communication. I like this app the most as it is auto-synced with Google Mail and Gdrive. Similar like WhatsApp you can create a status on Google Hangouts.

Sandes: Sandes is an Indian Alternative app which provides messaging services. It is recently launched hence it is publicly not known much. It also has cloud-based unlimited storage for chats, media and documents.

2. Write procedure to create a group (new) in messenger.

- Answer) First open the messenger app in which you want to create a group.
- 2) Here, I have selected WhatsApp messenger.
  - 3) Click on the top right hand icon then a drop down menu will open up.
  - 4) Select the first option new group and then click on search icon and then add the number of participants you want.
  - 5) You can also name the group and set a profile photo for it.

3. Write procedure to create signature while sending an email.

Answer) In the settings option of a email you can find the signature section.

- 2) If you want to add signature then click on the option drop down menu.
- 3) Then on the settings page will see a signature box write the signature you want in it.