USAGE OF INTERNET AMONG FIRST GRADE COLLEGE TEACHERS'

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Abstract

The Present study is intended to test the usage of internet among first grade college teachers in this digitization era. In general there is a notion that the degree college teachers not use computers and internet for teaching thus to test whether those teachers are aware of using internet this study was chosen the whole study comprises 7 objectives but the present paper comprises only two objectives because to avoid length of the paper. Present study was consisted 128 teachers from 10 colleges from Belagavi city, hence the purposive sample was employed for the study. The items were constructed by researchers and established validity of it from the 30 experts and data were collected. The main finding of the study is, in overall view most of the teachers aware of usage of internet but if we get into the depth of the study it is found that still there is lot of lack and stagnation in having knowledge of Internet and use of it among Degree College teachers.

Keywords: First Grade College, Teachers, Usage of Internet.

1.Introduction

The internet can be described as the net of nets that connects all computers in the world to each other (Ersoy and Yaşar, 2003), or the net of connections that covers the entire world. The internet is one of the most charismatic features of the information age. Using computers and the internet has become an indispensable part of daily life. In response to almost every inquiry, the internet is able to produce desired information easily and smoothly. Thus, one of the most important concepts for the 21st century is using technology for more effective and permanent learning. Acclimation to new technology in this new century has become compulsory in a sense while the education system, education programs, teaching-learning methods and teaching materials have changed. In almost every aspect of education, the applications of technology and the internet are becoming more widespread.

The Internet is essentially a global network of computing resources. You can think about the Internet as a physical collection of routers and circuits as a set of shared resources or even as an attitude about interconnecting and intercommunication. No one owns Internet, although several organizations the world over collaborate in its functioning and development

The high-speed, fiber-optic cables (called backbones) through which the bulk of the Internet data travels are owned by telephone companies in their respective countries.

The Internet grew out of the Advanced Research Projects Agency's Wide Area Network (then called ARPANET) established by the US Department of Defense in 1960s.This resulted in ARPANET growing beyond everyone's expectations and acquiring the name 'Internet. Some common definitions given in the past include:

- A network of networks based on the TCP/IP communications protocol.
- A community of people who use and develop those networks.

1.3. INTERNET BASED SERVICES

Some of the basic services available to Internet users are: Email, Telnet, net news, Browsing, teleconferencing, Video conferencing, internet calling, internet video calling, social networking, professional connectivity, you tube accessibility, using smart mobile phones on our fingertips through wifi, mobile net, hotspot.

PURPOSE OF USING INTERNET AMONG TEACHING PROFESSIONS

- Preparation to class room teaching
- Research work
- For Knowledge
- Individual learning
- To publish online papers and articles.
- To retrieve readily available ppt's.
- To discuss the topics.
- Other activities
- Using social networking sites in education or communicating other experts of educational fields regarding research, guidance, sharing, and information.
- Participation in functions or seminars or workshops or symposia or debate or conference etc.
- Teacher can make students to use internet for study purpose, classroom related information can be shared among students easily,
- Classroom activities can be also followed by the source teacher get from the internet like Google, you tube, ppts, etc.,
- If teacher unable to come to the class for any reason, teachers may videoconference that days lecture through home itself.

- Teacher can show experts lectures which are uploaded on internet.

II SIGNIFICANCE OF THE STUDY

The internet is a ticket to the whole new world of online learning, teaching and research. The internet is the largest powerful computer network in the world. It encompasses 1.3 million computers with internet addresses that are used by 30 million people in more than 50 countries. As more and more college, universities, school, companies and private citizens connects through internet, so it is essential for the educational purpose too.

The teaching staff can make use of internet sources like email that will help them to chat about their topics and also can send their information to others, they can download the free software and hence it can reduce the paper work. In classroom teaching the teaching staff can make the use of mobile internet while teaching the difficult tasks. They can download the readily available PPTs, Videos, Audios from you tube for concerning to their study. The other sources of internet like Blogs can be used to see various comments on educational aspects. They can also make use of social networking like Face book, Twitter, Myspace.com etc. The teaching staff may benefit personally by reflecting on the reviews of internet. They may use clicker to have feedback.

Many studies were done on internet by eminent psychologist and investigators. Some of the studies are: Internet in the changing educational scenario. "Internet Access, Use and sharing levels among Students during the Teaching Learning Process, "Faculty Perception of Technology Integration in the Teacher Education Curriculum: A survey of two Ganaian universities", "User Perception of Electronic Resources in the Universities of Iiorin Nigeria" Based on the above studies the researcher has selected the present study on the use of internet among Degree colleges teaching staff. The present study concerns how the teaching staff uses the internet for educational purpose. After the study the findings can be informed to the university management on the necessary steps that should be taken to promote the use of internet among faculty members. The findings of this study may also serve as a baseline for the future studies on internet in Degree colleges and teacher education institutions. Since the study involves a faculty member who teaches, its finding will benefit a diverse section of teacher educators. It may provide more information in the hands of teachers and will give appropriate feedback. It will also provide significant time saving over conventional classroom teaching to the educator. Nowadays internet has become a part of life, source of knowledge, especially for teachers in their teaching professions. Internet helps them a lot and it is

necessary to have awareness and knowledge of internet among the teaching profession. So researcher should be interested to carry this study to know the usage of internet among teachers.

III. OBJECTIVES OF THE STUDY

1) To study the basic awareness of internet among teachers.

4) To study the usage of internet for teaching-Learning.

IV. METHODOLOGY

IV.I Method of Research

Descriptive Survey method was adopted for the present study.

IV.II. Sampling

For the present study purposive sampling method was employed.

IV.III Selection of the Sample

The sample for the present study comprised of 128 teachers among 10 degree colleges from Belagavi City consisted in this study.

IV.IV. Tools Used for the Study

At the outset the sample of 128 teaching Staff was selected, they were tested by 'Self constructed Questionnaire. This test was containing 40 four point scaled questions were Prepared Based on the objectives.

IV.V. Construction and Validation Of the Tool

In construction of questionnaire the basic issue centers round the constructs of the perception to be measured. For the present questionnaire, the study on Usage of Internet among Teaching Staff of degree colleges in Belagavi city has been considered to be constituted the components of.

1. Basic Awareness Of Internet
2. Usage of Internet For Teaching-Learning

In the present study, valid, reliable and comprehensive self structured questionnaire was constructed to measure the basic awareness regarding Internet usage among teaching faculty. The self structured questionnaire contained 40 items with four point scale. With the views of experts and subject teachers and computer science teachers, around 30 evaluators gave their comments and suggestions. Among those some items were deleted and some were modified as per the suggestions. Finally 31 items were selected.

V. RESULT AND INTERPRETATION

V.I. BASIC AWARNESS OF INTERNET

In order to fulfill the objective No-1 the following statements were analyzed as shown

below: N=128

Sl No	Items	Agree	%	Partially Agree	%	Partially Disagree	%	Disagree	%
1	internet helps them in searching any kind of information	101	78.90	25	19.53	02	1.56	00	00
2	![logo] is the logo for Internet Explorer	110	85.93	17	13.28	00	00	01	0.78
3	only Google search engine is helpful for screening sources	43	33.59	44	34.37	08	06.25	33	25.78
4	E-mail can be sent without Internet connection	22	7.18	04	03.12	00	00	102	79.68
5	we cannot attach the files and folders in the process of sending e-mails,	15	11.71	15	11.71	05	03.90	93	72.65
6.	www full form is Wide World Web	68	53.12	04	03.12	02	01.56	54	42.18
7	that http's full form is Hypertext Transfer Protocol	120	93.75	05	03.90	01	0.78	02	01.56
8	Bookmark alerts are on virus information	52	40.62	48	37.50	03	02.34	25	19.53
9	Wi-Fi is one of the modes to access Internet facility	114	89.06	09	07.03	02	01.56	03	02.34
10	LAN and WAN connection helps more computers to get connected	119	92.96	06	04.68	01	0.78	02	01.56
11	LAN helps to get connected to the internet at local areas	114	89.06	07	05.46	01	0.78	06	04.68
12	WAN is called	25	19.53	07	05.46	01	0.78	95	74.21

	Local Area network							
13	Face book is a source of sending emails	52	40.62	25	19.23	01	0.78	50	39.06
14	Twitter helps in giving personal information to the universe	89	69.53	29	22.63	02	01.56	08	06.25
15	Knowledge of the Internet is essential now-a-day	123	96.09	04	03.12	00	00	01	0.78

Interpretation:

1. More than half of the teaching faculties given their opinion agree101 (78.90%) and 25(19.53%) as partly agree so it can be concluded that the internet helps the teacher to get any kind of Information.

2. More than half of the teaching faculties given their opinion agree 110(85.93%) and 17(13.28%) as partly agree so it can be concluded that the teachers know the awereness of internet explorer.

3. Only Google search engine is helpful for searching the sources, was assessed on the above dimensions. The teaching faculties gave their mixed opinion as agree 43(33.59%), partly agreed 44(34.37%), Disagreed 33(25.28%) and partly Disagreed as 08(6.25%), so it can be concluded that teaching faculty most of the faculty members aware about google search engine but still 33 percent of teachers did not aware of google search engine so it can be said that still teachers need have knowledge about internet

4. The fourth statement to find the awareness of teachers is that E-mail can be sent without Internet connection, most of the teaching faculties given their opinion disagree 102(79.68%), so it can be concluded that the basic awareness regarding the connection of internet is their among the teaching faculty, but although it can be observed that 22 people agreed for this so it can be said that still the teachers need to have the knowledge on internet.

5. The fifth statement to find the awareness of Teaching Staff is that we cannot attach the files and folders in the process of sending e-mails of the teaching faculties given their opinion disagree 93(72.25%), so it can be concluded that the most of the teachers have knowledge on usage of internet.

6. The sixth statement to find the awareness of teacher is that **'www'** full form is Wide World Web, was assessed on the above dimensions and their responses are that the agree 68(53.12%) and 54(42.18%) as disagree, so it can be concluded that the half of the teachers don't know the exact meaning of WWW. It shows still upgradation of usage of internet is needed among teachers.

7. The seventh statement to find the awareness of Teachers is that http's full form is Hypertext Transfer Protocol found result for this is 120(93.75%) People agreed. Hence it can be concluded that the teaching faculties are aware regarding the full form of http.

8. The eighth statement to find the awareness of Teachers is that Bookmark alerts are on virus information, the answers show that more than half of the teaching faculties given their opinion agreed 52(40.62%) and partly agreed 48(37.50%) and 25(19.53) people disagree this. so it can be concluded that, the respondents not aware of bookmarks alert.

9. The ninth statement to find the awareness of Teaching Staff is that Wi-Fi is one of the modes to access Internet facility, the gained responses are most of the teaching faculties given their opinion agreed 114(89.06%), so it can be concluded that respondents are aware of the different modes of surfing the internet facility as Wi-Fi.

10. The tenth statement to find the awareness of Teachers is that LAN and WAN connection helps more computers to get connected, after collection of data result found that most of the teaching faculties given their opinion agreed 119(92.26), so it can be concluded that the teaching faculties are aware about the LAN and WAN connection.

11. LAN helps to get connected to the internet at local areas. Found result is almost all teachers given their opinion agreed 114(89.06%), so it can be concluded that the teaching faculties are aware about LAN (Local Area Network) technical aspects which helps local limited areas to get connected for Internet facility.

12. WAN is called Local Area network. This question was probed supported to item 11 to find is they really know the meaning of WAN and the result shows that almost more than half of the teaching faculties given their opinion disagreed 95(74.21%) (Wide Area Network) and LAN (Local Area Network), so it can be concluded that the teaching faculties are aware about the use of WAN for Telecommunication and wide situated stations worldwide.

13. Face book is a source of sending emails, for this question the result shown is the teaching faculties gave their Mixed opinion as agree 52(40.62%) and Disagreed

50(39.06%) whereas 25(19.23%) partly agreed for the statement, so it can be concluded that half the teaching faculties are aware about the face book as a social networking website.

14. Twitter helps in giving personal information to the universe, almost more than half of the teaching faculties given their opinion agreed 89(69.53%) and 29(22.65%) as partly agreed for the same, It is a social networking website the Internet users can upload their comments, can admire others thought, or can follow the comments, so it can be concluded that the teaching faculties are aware about Twitter that helps in giving personal information to the universe.

15. Knowledge of the Internet is essential now-a-day was assessed on the above dimensions most of the teachers given their opinion as agreed 123(96.09%) Internet is a part of day to day life to gain the information through the globe and to keep oneself update.

Objective 2. To satisfy the objective 2 that is the usage of internet for Learning-Teaching, nearly 16 questions were framed. The result is shown as under.

N=128

Sl No	Items	true	%	Partially true	%	Partially False	%	False	%
16	Internet provides communication software share the knowledge and views about educational aspects	96	75.00	26	20.31	02	01.56	69	53.90
17	Internet has less number of sources which helps for planning and teaching	13	10.15	34	26.56	12	09.37	69	53.90
18	we can get readily available ppt for teaching	57	44.53	41	32.03	13	10.15	17	13.28
19	PDF files help in getting through information regarding the concept	72	56.25	39	30.46	06	04.68	11	08.59
20	It is very difficult for educators to teach and	24	18.75	32	25.00	14	10.93	58	45.31

	enhance students learning by allowing readily available information on internet							
21	you tube.com in popular video site for instant access to free educational videos	66	51.56	48	37.50	07	5.46	07	5.46
22	using internet makes us to understand the education aspects	92	71.87	36	28.12	00	00	00	00
23	internet helps students to gain additional materials	113	88.28	15	11.71	00	00	00	00
24	Internet Promotes for personalized learning	100	78.12	22	17.15	03	2.34	03	2.34
25	in internet era teacher in only a Facilitator	40	31.50	50	39.06	06	4.68	32	25.00
26	online communications such as email, Instant message, Blogs, chats improve the ability to understand educational aspects	77	60.15	27	21.09	06	4.68	18	14.06
27	internet does not provide a good communication tool for classroom teaching,	11	08.59	36	28.12	12	09.37	69	53.90
28	student's cannot contact other students or their teachers to solve queries about any information	16	12.50	16	12.50	10	07.81	75	58.59
29	web blogs are the sites to	96	75.00	29	22.65	01	0.78	02	1.56

	express our views							
30	internet provides videos designed for use in the classroom teaching	89	69.53	34	26.56	02	1.56	03	2.34
31	virtual classroom are helpful for the educators and learners	94	73.43	32	25.00	00	00	02	1.56

Interpretation

16. Internet provides communication software share the knowledge and views about educational aspects was assessed on the above dimensions and their responses shown that than half of the teaching faculties given their opinion, as true 96(75.00%), partly true 26(20.31%) where as false 69(53.90%), as most of the respondents expressed their views that it provides the communication and sharing of appropriate information about educational aspects, so it can be concluded that the teaching faculties are aware about that Internet provides communication software share the knowledge and views about educational aspects but still 69 teachers not aware of this.

17. Internet has less number of sources which helps for planning and teaching, almost more than half of the teaching faculties given their opinion, as false 69(53.90%), where as 34((26.56%) partly true, as lot of information is readily available on the websites and with right browsing one can help to get the right kind of information easily, so it can be concluded that some of the teaching faculties are aware about Internet has more number of sources which helps for planning and teaching.

18. we can get readily available ppt for teaching, was assessed on the above dimensions and their responses shown that more than half of the teaching faculties given their opinion, as true 57(44.53%), and 41(32.03%) as partly true the respondents are aware of the Power point Presentation (PPT) availability for the selected topics and there are special websites for browsing the PPT like Slideshare.com, so it can be concluded that many of the teaching faculties are aware about know about ppts.

19. PDF files helps in getting through information regarding the concept, responses are more than half of the teaching faculties given their opinion, as true 72(56.25%) and 39(30.46%) as partly true, as PDF files are uploaded through journals and cannot be edited without the PDF software so it can be concluded many of the teaching faculties

are aware about that PDF files helps in getting through information regarding the concept.

20. It is very difficult for educators to teach and enhance students learning by allowing readily available information on internet, was assessed the teaching faculties given their mixed opinion, as false 58(45.31%), 24(18.75%) as true and 32(25.00%) as partly true, as readily available data helps to know the different aspects of the concern topic. Whereas. This may be due the fact a difference in the opinion regarding subject and the readily available information may be not easy to interpret so it can be concluded that the teaching faculties are aware that it is not difficult for educators to teach and enhance students learning by allowing readily available information on internet.

21. You tube.com in popular video site for instant access to free educational videos, was assessed, almost more than half of the teaching faculties given their opinion, true 66(51.56%), partly true 48(37.50%) & negligible response as partly false and false,youtube.com is one of the popular video site and very easy to access for educational videos uploaded by relevant field educators, so it can be concluded that the teaching faculties are aware of using YouTube. com which is one of the popular video site for instant access to free educational videos.

22. Using internet makes us to understand the education aspects, almost all the teaching faculties given their opinion, as True 92(71.81%) and 36(28.215) as partly true, as internet provides the access to any kind of information and makes easy to understand the educational aspects, so it can be concluded that the teaching faculties are aware of using internet that makes us to understand the education aspects.

23. It helps students to gain additional materials, almost all the teaching faculties given their opinion, as true 113 (88.28%)) out of 128 respondents and partly true as15(11.71), as Internet provides the different views on the selected topic and contents, the information provided is throughout the universe and always help the students community to gain the additional knowledge so, it can be concluded that the teaching faculties are aware of Internet helps students to gain additional materials.

24. Internet Promotes for personalized learning, almost all the teaching faculties given their opinion, as true 100(78.12%) and 22(17.15%) as party true, as internet promotes for personalized learning with the help of our own computer, Laptop and mobile internet, as

internet provides the wide range of information to access so, it can be concluded that the teaching faculties are definitely aware that Internet Promotes for personalized learning.

25. In internet era teacher in only a Facilitator, some of the teaching faculties given their opinion, as true 40(31.50%) and 50(39.00%)partly true, false32(25.00%) and partly false as 06(4.68), as the information provided through internet is at the finger tip, where it put instantaneous pressure on teachers to just show a right path for right kind of information so, it can be concluded that the teaching faculties are aware of use and that in internet era teacher in only a Facilitator.

26. Online communications such as email, Instant message, Blogs, chats improve the ability to understand educational aspects, some of the teaching faculties given their opinion, as true77(60.15%), as 27(21.09%) partly true, due to online communication is one of the fastest and speedy form of communication in human history and its long-term impact. so, it can be concluded that the teaching faculties uses the internet for Online communications such as email, Instant message, Blogs, chats improve the ability to understand educational aspects.

27. Internet does not provide a good communication tool for classroom teaching, almost all the teaching faculties given their maximum opinion, as false 69 (53.90%), and 36(28.12%) as partly true as respondent are fully aware of the communication soft ware provided through internet facility, respondent felt partly true as black board teaching ,OHP teaching and lecture methodology teaching is suitable as per their views so, it can be concluded that the teaching faculties are aware about Internet does provide a good communication tool for classroom teaching.

28. Students cannot contact other student of their teacher to showed queries about any information, most of the teaching faculties given their maximum opinion, as false 75(58.59%), partly false 10(07.81%) as this respondents are aware of the fact that through, email, chatting and social networking sites we can communicate whereas in contrast 27(21.09%) as partly true as they may have faced problem solving queries with their due to unavailability of proper communicating software so,

29. Web blogs are the sites to express our views, almost more than half of the teaching faculties given their maximum opinion, as true 96(75.00%) and 29(22.65%) as partly true and negligible response was noted for partly false and false. The respondent's knew the following pattern and social issues which are expressed on the web blogs, where

anyone, who had his own view can express their thoughts so, it can be concluded that the teaching faculties are aware about web blogs are the sites to express our views.

30. Internet provides videos designed for use in the classroom teaching, almost more than half of the teaching faculties given their maximum opinion, as true 89(69.53%) as internet provides videos designed for use in the classroom teaching and 34(26.56%) felt partly true, as on the educational web sites the classroom teaching videos are uploaded so, it can be concluded that the teaching faculties are aware about Internet provides videos designed for use in the classroom teaching.

31. Virtual classroom are helpful for the educators and learners, almost all of the teaching faculties given their maximum opinion, as true 94(73.43%) & 32(25.00%) as partly true. As virtual classroom are very much advantageous as educator and learner can access the information from any part of the globe so, it can be concluded that the teaching faculties are aware about virtual classroom are helpful for the educators and learners.

CONCLUSION

The above analysis clearly shows that the most of the teachers who teach in first Grade colleges were aware of use of internet, but still it is not reached 100%. In this digitization era also 50 percent of the teachers don't know the usage of internet. Hence this study suggest that the college teachers should upgrade their knowledge and make the use of internet for their teaching and help the students also to make use of internet for their learning.

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