



A STUDY OF PROBLEMS FACED BY SCHOOL TEACHERS IN E-LEARNING

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The term “e learning” is usually used to indicate delivery of education through electronic means. E-learning is the ICT based teaching learning system which delivers content, manages student’s activities and evaluates students through interactive learning. Websites play a big part in e learning because all the course materials, activities and the assessments can be uploaded on the websites and the students can access those resources using their username and password; in other words, much of the actual learning takes place through the web. There are many products available in the market which suit e learning delivery and allow a range of activities like chat room, discussion forum, digital drop box and online resource storage. e-Learning may involve the use of some of the technologies like Desktop and laptop computers, Software, including assistive software Interactive whiteboards, Digital cameras and videos. Mobile and wireless tools, including mobile phones Electronic communication tools, including email, discussion boards facilities, virtual classroom and video conferencing Virtual Learning Environments (VLEs) Managed Learning Environments (MLEs), Learning activity management systems.

E-learning combines learning with technology to facilitate the learning process. It generally involves the delivery of learning and training using electronic media, such as computers, the internet and intranets.

Need and Importance of the Problem

The challenging issue in adopting e learning mode is to train school teachers because some school teachers has no prior experience in technology and they are not comfortable handling E learning tools. E-learning provides faster learning at reduced cost, faster learning at reduced costs, and increased access to learning and clear accountability for all participants in the learning process. The development in computer technology has resulted in E-learning. Now the opportunities made available through E-learning are both significant and numerous so researcher has selected such topic.

Statement of the Research Problem

“A study of problems faced by school teachers in e-learning”

2. Objectives of the Research

- To identify problems faced by school teachers in e-learning.
- To suggest remedial measures to school teachers

3. Research Methodology

a) Research Method

Survey method was used to carry out the study effectively.

b) Population and selection of sample:

- 300 school teachers from Bilaspur was considered as a population for selecting samples.
- 100 school teachers from Bilaspur was taken as a sample by random sampling method for the study.

c) Tools for gathering information:

The four institutions were selected as the sources of sample. Questionnaire was used for gathering information.

4. Analysis

Analysis of Questionnaire

Objective No 1 :- To identify problems of trainee teachers in e-learning.

Table No. 1

Q. No	Question	Responses		Total
		Yes	No	
1	Do you have access to a computer at home?	69%	51%	100
2	Do you feel confidence with computer?	67%	53%	100

Observation

The survey indicates that out of 100 school teachers 69% school teachers have access to a computer at home and 51% teachers have no access to a computer at home.

1. Out of 100 school teachers 67% school teachers feel confident with computer and 53% of school teachers do not feel confident with computer.

Interpretation and conclusion

Majority of the school teachers have access to computers at home for their personal use. They are in favor of use of computers. They feel confident and feel more convenience using computers.

School teachers are in favor of use of computers and they have access to computers at home and they are confident with computers hence school teachers agreed that computers can help them in their study and make lesson plans

Q. No.	Question	Responses		Total
		Yes	No	
2	Do you feel convenience to learn through internet?	72%	38%	100
3	Is your internet connection fast?	42%	58%	100

Observation

1. Out of 100 school teachers, 72% feel convenient to learn through internet and 38% of school teachers do not feel convenient to learn through internet.
2. 42% of school teachers have fast internet connection and 58% of school teachers were having slow internet connection.

Interpretation and conclusion

According to most of the school teachers, learning through internet is a more beneficial way to seek knowledge and it is an effective way to enhance learning processes, and very few school teachers stated that their internet connection is fast.

Majority of the school teachers find it more convenient to learn through internet and they also find it time saving, providing more resources and affording them different ways to teach to students and very few school teachers agree that their internet connection is fast.

Question	Responses		Total
	Yes	No	
Do you think there are better ways by which we can get course materials other than through computer and internet?	37%	63%	100

Observation

1. 37% of school teachers thought that there are better ways by which we can get course materials other than through computer and internet.
2. Out of 100 school teachers, 63% trainee teachers do not think that there are better ways by which we can get course materials other than through computer and internet.

Interpretation and conclusion-Some of the school teachers think that computer and internet are the fast way to deliver materials. Sometimes hard copy of the course material is very costly so sometimes internet is better and quite cheap but some students think that if you get all materials from internet there will be a lot of printing which is expensive at the end.

Table No. 4

Q. N	Question	Responses		Total
		Yes	No	
5	Have you done any technology enhanced courses?	50%	40%	100

Observation

Survey shows that 50% of total s school have done technology enhanced courses and 40% of students have not done any technology enhanced courses.

Interpretation and conclusion-Most of the school teachers know the importance of computer so they have done technology enhanced courses and they are familiar with technologies but some teachers have not done any technology enhanced course.

school teachers have done technology enhanced courses like Word, Excel, Power point to know about computer very well, but few school teachers find it difficult to know about computer, they have not done any technology enhanced courses.

Table No. 5

Q. No.	Question	Responses		Total
		Yes	No	
6	Do you feel frustrated if the computer gets in slow while you downloading the course materials?	93%	7 %	100
7	Do you normally use antivirus software (For e.g. Norton antivirus) to protect computer data?	63%	37%	100

Observation

1 . 93% of school teachers feel frustrated if the computer gets slow while down loading the course materials while 7% of school teachers did not feel frustrated if the computer gets slow while down loading the course material

63% school teachers use antivirus software to protect computer data while 37% school teachers did not use antivirus software to protect computer data.

Interpretation and conclusion-Majority of school teachers, get frustrated when computer get slow while downloading teaching material. They cannot tolerate waiting and it is difficult for them when computer works slow while some school teachers are using antivirus software to protect their computer from virus.

Thus almost all the school teachers get nervous and frustrated when computer gets slow while downloading the course materials, problem and challenges faced while downloading material is differ from person to person and majority of school teachers are using antivirus software to protect their computers from interference.

Table No. 6

Q. No.	Question	Responses		Total
		Yes	No	
8	Do you use online resources?	62%	380%	100

Observation:62% school teachers use online resources while 380% of teachers do not use online resources.

Interpretation and conclusion-Majority of school teachers welcome the idea of adopting online learning, they use online resources none of the teachers have negative opinion of using online resources although some school teachers are not using online resources.

school teachers like online resources as online resources gives teachers advantages of more convenience, saving time, providing more resources, accessible from anywhere and affording them different ways to learn hence teachers are using online resources while some teachers are not use online resources.

Table No. 7

Q. No.	Question	Responses		Total
		Yes	No	
9	Do you know computer applications like Microsoft word, Excel, or power point?	84%	16%	100

Observation

When it was asked, whether they have know any computer applications, it is observed that 84% of teachers have know computer applications like Microsoft Word, Excel or Power point and 16% of teachers did not know computer applications like Microsoft Word, Excel or Power point.

Interpretation and conclusion

Almost all the students know computer applications like Microsoft Word, Excel or power point this opportunity enables them to access learning conveniently through computers while some school teachers don't know these applications so they find it difficult to learn through computers.

teachers knows computer application hence they can easily study through computers they learn conveniently while some school teachers find it difficult to access the computers because they don't know the computer applications.

Table No. 8				
Q. No.	Question	Responses		Total
		Yes	No	
10	Is e-learning material flexible?	75%	25%	100
11	Do you think the e-learning met the needs of my preferred learning style?	51%	49%	100

Observation

1. Out of total percentage, 75% school teachers feel that e-learning material is flexible. While 25% of teachers thought that e-learning material is not flexible.
2. 51% trainee teachers out of total number of teachers think that the e-learning meet the needs of my preferred learning style.

Interpretation and conclusion-According to the teachers e-learning material is immediately access at any time, on any topic. It is more convenient and rapid so it is more flexible but some teachers like traditional class room teaching style.

Thus majority of teachers think that e-learning material is flexible it can be accessed at anytime, anywhere; as soon as it is loaded into the system we can use it so it is much easily available and according to some teachers it meets its learning style this e-learning style is much easy to them.

Table No. 9				
Q. No.	Question	Responses		Total
		Yes	No	
12	Do you consider teachers training is necessary for e-learning?	54%	46%	100
18	Do you think there is any reward for teachers for developing e-learning coursework?	49%	51%	100

Observation

1. It is observed that 55% of the total percentage of school teachers thought that teacher training is necessary for e-learning while 45% of the teachers do not think that teacher training is necessary.
2. Out of 100 of students, 49% of teachers thinks that there is reward for teachers for developing e-learning coursework while 51% of teachers did not thought that there is reward for teachers for developing e-learning coursework.

Interpretation and conclusion

Most of teachers welcome the idea of teachers training for e-learning for e-learning
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teachers and teacher educator both should be trained e-learning is a technology based learning so teacher should be aware of technology but few of teachers did not think like that for them.

Table No. 10

Q. No.	Question	Responses		Total
		Yes	No	
13	Do you think adopting e-learning in your course will be helpful?	92%	8%	100
14	Do you think there are advantages for e-learning over the traditional class-room learning?	63%	37%	100

Observation

- 92% of school teachers think that adopting e-learning in course will be helpful while only 8% of teachers did not think that adopting e-learning in course will be helpful
- 63% think that there are advantages for e-learning over the traditional class-room learning and 37% of trainee teachers did not think that there are advantages for e-learning over the traditional class- room learning.

Interpretation and conclusion

Majority of the students think that adopting the e-learning course will be helpful. They said that e-learning course help them to learn, creates opportunities for more convenient, easy access to the resources, but very few students think that e-learning course is not useful.

Thus survey results show that availability of the course resources in e-learning all the time can help school teachers learn well because it provides opportunities to access, the notes anytime and they are better prepared for the class beforehand hence adopting e-learning in school teachers course will be helpful.

Table No. 11

Q. No.	Question	Responses		Total
		Yes	No	
15	Do think websites play a big part in e-learning?	91%	9%	100

Observation

90% of school teachers think that websites play a big part in e-learning while 10% of school teachers think that websites do not play a big part in e-learning.

Interpretation and conclusion

Majority of the school teachers thought that the course resources in the websites all the time available in on e-learning environment the course resources available on the website all the time, plus teachers can access the latest resources as soon as it is loaded into the system by the experts.so teachers have no reasons to disrupt the studies even after they get into the routine work while some teachers thought that websites did not play a big part in e-learning.

Table No. 12

Q. No.	Question	Responses		Total
		Yes	No	
16	Do you think we can save money through e-learning?	51%	49%	100

Observation-Out of total percentage 51% school teachers thought that we can save money through e-learning while 49% teachers did not think that we can save money through e-learning.

Interpretation and conclusion-Majority of the school teachers thought that e-learning brought about a revolution in the education sector; it introduces new concepts which allow students to continue their education regardless of where they are and what they do

Hence according to some teachers, e-learning creates opportunities for more convenience and easy access to the resources and much more facilities and so we can save money through e-learning but according to few trainee teachers it is costly method of seeking knowledge, we cannot save money through e-learning.

Table No. 13

Q. No.	Question	Responses		Total
		Yes	No	
17	Is your college encouraging student towards e-learning?	65%	35%	100

Observation-It is observed that 65% of total school teachers said that their college encourages student towards e-learning. While 35% of school teachers said that their college did not encourage teachers towards e-learning.

Interpretation and conclusion-Majority of the school teachers said that their college encourages teachers towards e-learning, they know that e-learning is the latest version of the flexible learning environment where school teachers can carry on their duties in a place and time of their choice, school teachers are more comfortable in this particular mode of delivery but some colleges still believe in traditional class room learning and do not encourage teachers towards e-learning.

Table No. 14

Q. No.	Question	Responses		Total
		Yes	No	
19	Do you think Course documents available on the e-learning site at all times will be useful for learning?	67%	33%	100
20	Do you think online course are popular among students?	77%	23%	100

Observation

1. 67% school teachers said that course documents available on the e-learning site at all times will be useful for learning while 33% teachers said that course documents available on the e-learning site at all times will not be useful for learning
2. 77% of school teachers said that on-line courses are popular among trainee teachers and 23% of school teachers thought that online courses are not popular among school teachers

Interpretation and conclusion-Majority of school teachers had positive opinions according to them it is on hand availability, convenience, it is time saving, able to prepare before lectures they can double check and revise the documents, so it is popular among them.

Thus course documents available for e- learning site, at all times will be useful for learning be less time consuming taking notes, teachers can prepare for classes before hand, in advance they have notes all the times if ever you loose any as it have all these advantages it is popular among school teachers.

Table No. 15

Q. No.	Question	Responses		Total
		Yes	No	
21	Do you think the e-learning system has changed or will change the way of students?	91%	9%	100

Observation- 91% of school teachers thinks that e-learning system has changed or will change the way of trainee teachers while 9% of school teachers thinks that e-learning system has not changed or will not change the way of students.

Interpretation and conclusion-Majority of school teachers welcome the idea of adopting e-learning students like e-learning rather than the old fashioned correspondence course because e-learning gives advantages of more convenience, saving time, providing more resources etc

Thus majority of students are in favor of e-learning they thinks that e-learning is a boon for them, it will change the learning system e-learning will bring about a revolution in the education sector hence it will change the way of trainee teachers.

Table No. 16

Q. No.	Question	Responses		Total
		Yes	No	
23	Do you think there is a greater benefit from introducing e-learning?	77%	23%	100
24	Do you think e-learning activities improved your knowledge and skills in the subject?	73%	27%	100

Observation

1. Most of the school teachers that is 77% of v thought that there is a greater benefit from introducing e-learning while 23% of school teachers thought that there is not a greater benefit from introducing e-learning.

2. 73% of school teachers thought that e-learning activities improved knowledge and skills in the subject while 27% of trainee teachers thought that e-learning activities will not improved knowledge and skills in the subject.

Interpretation and conclusion-School teachers stated that there is a greater benefit from e-learning, it gives advantages of more convenience, saving time, providing more resources, accessible from anywhere and affording them different ways to learn, student stated that some times e-learning is beneficial but not all the times, some times, it is difficult to learn introducing e-learning. Most of teachers believe that e-learning improved their knowledge and skills in the subject availability convenience and accessibility at any time this is advantage of e-learning but some teachers believe that class interaction is very important, certain subjects are difficult to learn.

Table No. 17

Q.No.	Question	Responses		Total
		Yes	No	
25	Do you think all the material easily accessible at internet site?	61%	39%	100
27	Do you think there is a misuse of material from software programmed?	74%	26%	100

Observation

1. Survey shows that 61% of total school teachers thought that all the material easily accessible at internet site while 39% of teachers thought that all the material is not easily accessible at internet site.

2. 26% of total school teachers thought that there is a misuse of material from software programmed while 74% of total school teachers thought that there is not misuse of material from software programmed.

Interpretation and conclusion-Most of the school teachers thinks that internet are the fast way to delivery materials it is better to use the computer and internet, as it is the only medium, it gives out fast and instant information material available easily at internet site but some teachers thinks that it is always easier reading from paper compared to a screen if you get all material from internet there will be a lot of printing which is expensive at end.

Thus material available at internet site is easily accessible, flexible, time saving and convenient and if school teachers are very well known about software programmed, there is no misuse of the material on internet site.

Table No. 18

Q. No.	Question	Responses		Total
		Yes	No	
26	Do you use searching engine in e-learning?	42%	58%	100

Observation

Survey result show that 42% of the total percentage of school teachers use search engine in e-learning and 58% of the student did not use search engine in e-learning.

Interpretation and conclusion

Majority of the school teachers use search engine in e-learning they want to save time by searching the material on search engine they get a lots of course material within a minute lots of material is available on web site and they can download material within a second, if one wants to search in book it takes lots of time but some student preferred books instead of search engine to get course material.

Table No. 19

Q. No.	Question	Responses		Total
		Yes	No	
28	Do you think time management skills and self motivation also influenced student performance in e-learning?	75%	25%	100

Observation

Out of 100 students 75% school teachers thought time management skills and self motivation also influenced student performance in e-learning while 25% school teachers thought that time management skills and self motivation did not influenced student performance.

Interpretation and conclusion-Generally learning time are different from teacher to teacher , they can chose their own time to learn in e-learning environment can have time management skills and self motivation, self interest in more important in e-learning but few of them did not think that time management skills and self motivation influence school teachers performance in e- learning.

Thus time management skills and self motivation influenced e-learning school teachers can learn according to their convenience slow learners gets more time, if self interest in e-learning is more it is more successful, but few school teachers did not think in this way them time management skill and self motivation does not influenced e-learning.

Objective No3 :- To suggest remedial measures to trainee teacher

- Training programmes , workshops, Seminars should be organized to improve knowledge about E-learning
- School teachers should develop the habit of reading through computer monitors
- School teacher student are shifting from the traditional face-to-face classroom style to active online method so the adjustment is required from teacher and students both side.
- School teacher student should be given all the facilities and equipments to use E-learning methods
- School teachers should learn to operate computer and to use internet.
- Trainee teacher student should be confident with computers and they should know commonly used application like Microsoft word, Excel, or power point.

Scope and Limitation

This research reports on an investigation into the literature on the problems of e-learning faced by SCHOOL teachers.

- This research is limited to the challenges faced by School teacher students in Bilaspur city only.
- This study is limited to know the technical difficulties encountered by the school teacher only.

Conclusions

Teachers attitudes and beliefs towards E-learning as well as their satisfaction with technology and past E-learning experiences are regarded as success determinants of future E-learning initiatives.

E-learning provides an opportunity for School teachers to have convenient learning because they can arrange their study time to suit their other commitments, e-learning gives advantages of more convenience, saving time, providing more resources, accessible from anywhere and affording them different ways to learn.

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