

July 2010

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J. Shakila

K.G.P.R& A.N.R College of Education, Gudivada. Andhra Pradesh, India, nissydayas@gmail.com

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### Recommended Citation

Shakila, J. (2010) "A Study of the Awareness of Online Learning among Teacher Trainees," *Interscience Management Review*. Vol. 3 : Iss. 2 , Article 14.

DOI: 10.47893/IMR.2010.1067

Available at: <https://www.interscience.in/imr/vol3/iss2/14>

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# A Study of the Awareness of Online Learning among Teacher Trainees

**J. Shakila**

Department of Education, K.G.P.R& A.N.R College of Education, Gudivada. Andhra Pradesh, India  
E-mail : nissydayas@gmail.com

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**Abstract** – Learning process is a special process where different levels of learners are accommodated in a learning sphere in an individualized manner. New learning environment has brought new challenges for teachers online learning differs from classroom-based face-to-face teaching. On line learning can minimize the learner’s drawbacks or teacher’s drawbacks. So an effective teacher can be molded or created through on line learning facility The future world of education through online education. It is very much easier, faster, reduced the distance and is sophisticated There is no doubt, online learning will replace the traditional teaching and it fulfills the all needs of present learners. So, I was selected for this topic of awareness of online learning among teacher trainees.

**Keywords** – online learning – B.Ed Teacher trainees -200 sample – normative Survey method -Krishna district-A.P.

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## INTRODUCTION

Learning process is a special process where different levels of learners are accommodated in a learning sphere in an individualized manner. Many attempts were being made by researchers to explore the methods to drive the intended knowledge at different learning levels and the out comes of such researches showed that there are varied levels of efficiencies of attainment of learning targets among the learners to meet the learners with their needs and the make the learning productive and meaningful, the role of technology in education is important and it has to be implemented properly without fail. Now, the numbers of individualized instruction materials were prepared in accordance with the thirst of the learners at different levels. The introduction of online learning in education made these successful changes in education predominantly.

### Review of related literature:

A number of studies have been reported in which the importance for computer based learning platforms. Compbell (2004) found in their study that the emphasis of online learning in higher education settings is on the development of meta cognitive as well as reflective and collaborative learning Mageire (2005), Park and Bonk (2007) investigated the major components of online teaching and learning experience such as course description, specific course objectives, course competencies, evaluation criteria and teaching strategies. Ginzburg, Chepya and Demers(2007),

Penkowski(2008) found that the success in online learning and teaching requires an understanding of the different aspects of design and delivery of an online course. The surveyed report overall satisfaction for the advancements in information and communication technologies have created tremendous opportunities.

### Importance of online learning:

Online learning is the new version of computer mediated cultural patterns. A large number of colleges and universities across the United States are transitioning traditional face-to-face classes into fully online, blended or web-facilitated courses. Online learning makes human life more comfortable the access to the treasure of information is available at the click of a mouse on the internet. Online learning is used to refer to web-based training, Cyber learning, virtual learning. Online learning is a subset of distance education and embraces a wide set of technological application and leaning processes including computer-based learning, web-based learning, virtual class rooms and digital collaborations. Additionally, it takes the form of complete courses with access to content for “just-in-time” learning access. New learning environment has brought new challenges for teachers.

Online learning differs from classroom-based face-to-face teaching. Online learning can minimize the learner’s draw backs or teacher’s drawbacks. So an effective teacher can be molded or created through online learning facility. Online learning provides faster learning, increased access to learning, reduces the

distance and clear accountability for all participants in the learning process. In today's fast paced culture organizations that implement online learning provides their workforce with the ability to turn change into an advantage.

**Need for the study:**

Education moulds the man to think positively in all aspects and conditions. The information technology is creating sweeping and dramatic changes in our present life and working environment.

There is no doubt, online learning will replace the traditional teaching and it fulfills the all needs of present learners. Online learning helps the students to gain the world wide information. With this they increase their knowledge in fitting way and can develop their educational career on in meaningful way to meet the demands of society as well as become comfortable. Hence the investigator felt that the topic of awareness of online learning among teacher trainees.

**Topic:** A study of the "awareness of online learning among teacher trainees".

**Objectives of the study:**

1. To find out the level of awareness of online learning among teacher trainees and classify them
2. To find out the awareness of online learning among teacher trainees with respect to the following variables, Gender, Locality, method opted.

**Hypotheses of the study:**

1. Teacher trainees differ in their levels of awareness of online learning.
2. There would be no significant difference between male and female teacher trainees in awareness of online learning for most liked and disliked items.
3. There would be no significant difference between rural and urban teacher trainees in awareness of online learning for most liked and disliked items
4. There would be significant difference between social and science methodology teacher trainees in awareness of online learning for most liked and disliked items

**Sampling technique:** The sample for this study is collected from the 200 teacher trainees who are residing in Krishna district. For this study, the investigator used stratified random sampling technique.

**Method used:** The investigation was conducted following the survey method.

**Tool used:** A questionnaire on online learning assessments was used as a research tool. This questionnaire consisted of 20 items.

**Scoring procedure:**

Each item of the scale possessed four alternative answers. The most liked answer had to tick(√) and disliked answer had to mark (×). For liked items first alternative will be awarded four scores, second alternative three scores, third alternative two scores, and last alternative will be awarded one score. For disliked items last alternative will be awarded four scores, third alternative three scores, second alternative two scores, and first alternative will be awarded one score.

**Data analysis: Objective 1:** To find out the level of awareness of online learning among teacher trainees and classify them.

**Table 1:** *The mean, %of mean, S.D and 1/5<sup>th</sup> mean of the total sample in awareness of online learning for most liked and disliked items.*

Items	N	Mean	%of mean	S.D	1/5 <sup>th</sup> mean
Most liked	200	66.975	83.71	7.005	13.395
Most disliked	200	34.025	42.53	7.082	6.805

**Interpretation:**

The teacher trainees are found to have very high awareness of online learning for most liked items and the sample is found to be homogeneous since 1/5<sup>th</sup> of men value is more than the S.D value. For disliked items low awareness and heterogeneous.

**Classification:** The minimum possible score for awareness of the online learning is 20 and the maximum possible score is 80. The range is 60 and it is divided into four categories with an interval of 20 for each categories for the most liked and disliked items.

**Table 2:** *Classification of the teacher trainees on the basis of their level of awareness of online learning for most liked items.*

category	Score scale	No. of Trainees	Percentage
Low	1-20	Nil	0
Average	21-40	Nil	0
High	41-60	28	14
Very high	61-80	172	86

**Interpretation:**

More than three fourth of the total sample of the teacher trainees have very high awareness of online learning

**Table3: Classification of the teacher trainees on the basis of their level of awareness of online learning for most disliked items.**

category	Score scale	No. of Trainees	Percentage
Low	1-20	Nil	0
Average	21-40	159	79.5
High	41-60	30	15
Very high	61-80	11	55

**Interpretation:** More than three fourth of the total sample of the teacher trainees have average level awareness 70 % of the teacher trainees for the awareness of online learning is high and very high for most disliked items.

**Objective 2:** To find out the awareness of online learning among teacher trainees with respect to the following variables. Gender, Locality, Method opted.

**Table 4: Table showing the variable wise distribution mean, S.D and t-value for most liked items:**

S.No	Variable	Type	N	Mean	S.D	t-value
1	Gender	Male	79	65.34	7.29	2.65**
		Female	121	68.04	6.63	
2	Locality	Urban	68	66.91	7.16	0.09 (NS)
		Rural	132	67.01	6.95	
3	Method opted	Social	82	66.76	6.49	0.38 (NS)
		Science	118	67.13	7.37	

**Interpretation:** The significant difference between male and female teacher trainees for the awareness of online learning and there is no significant difference between urban and rural and science and social teacher trainees for the awareness of online learning for most liked items.

**Table5: Table showing distribution mean, S.D and t-value for most dis-liked items:**

S.No	Variable	Type	N	Mean	S.D	t-value
1	Gender	Male	79	34.42	6.43	0.65 (NS)
		Female	121	33.77	7.49	
2	Locality	Urban	68	34.51	7.70	0.67 (NS)
		Rural	132	33.77	6.76	

3	Method opted	Social	82	33.89	7.07	0.22 (NS)
		Science	118	34.12	7.2	

**Interpretation:** From the above table it can be inferred that there is no significant difference between male and female, rural and urban and social and science teacher trainees for the awareness of online learning for most disliked items.

Xxxx

**Testing of Hypothesis:**

S. No.	Hypothesis	Observations	Significant/not significant	Accepted/Rejected
1	There would be no significant difference between male and female teacher trainees in awareness of online learning for most liked items	2.65	Significant	Rejected
2	There would be no significant difference between rural and urban teacher trainees in awareness of online learning for most liked items	0.09	Not Significant	Accepted
3	There would be significant difference between social and science methodology teacher trainees in awareness of online learning. leaning for most liked items.	0.38	Not Significant	Accepted
4	There would be no significant difference between male and female, rural and urban, social and science methodology teacher trainees in awareness of online learning for most disliked items.	0.65 0.67 0.22	Not Significant	Accepted

**Educational implications:**

1. This study will help the teacher trainees to know the online learning facilities.
2. This study will help the teachers to focus their attention and different strategies of developing of online learning programmes.

3. This study will help the basic knowledge of computers and online courses.
4. This study will help the teacher for facilitating online learning activities.

#### **DISCUSSION AND CONCLUSION:**

Online learning makes human life more comfortable. Online learning is the new version of computer mediated cultural patterns. Online learning can minimize the learners drawbacks or teachers drawbacks. New learning environment has brought new challenges for teachers.

More than three fourth of the teacher trainees have very high awareness of online learning for most liked items. The most important finding is that female teacher trainees have better in their awareness of online learning for most liked items than that of male teacher trainees. Another noticeable finding is that rural and science teacher trainees are on par with urban and social teacher trainees in the awareness of online learning for most liked items. Another appreciable finding is that male, urban and science teacher trainees are on par with female. Rural and social teacher trainees in the awareness of online learning for most disliked items.

Therefore efforts are to be made caring these directions to the different activities of online learning among teacher trainees by focusing the online courses and developing online teaching facilities. So, online learning awareness or literacy a basic knowledge of computers and their use is going to be must today's high-tech world.

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