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A STUDY OF COMPUTER APTITUDE OF B.Ed. TRAINEES OF HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY

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Abstract: Present Study has been done to know about computer aptitude of B.Ed. Trainees in of Hemchandracharya North Gujarat University. For the present study gender and area consider as variables. Total 388 trainees were selected from Patan District. To know about Computer Aptitude of B.Ed. Trainees; Self prepared and standardize Computer Aptitude Test were used as tool. On the basis of the score obtain by the trainees mean, standard deviation, standard error of mean and t-values were calculated for data analysis. Effect of gender and area was found significantly.

Key Words : Computer Aptitude

Introduction :

Computers and Technology have become identical part of human life now a day. At every stage of life, computer and tools related to its uses are being irresistible. Technology is, generally used, to perform three type of works.

- To transfer raw material into useful information
- To utilize information once, use of that information for another objective.
- To present data in such form as can be understood easily.

Computer is like heart of technology. In other words, above stated requirements can be fulfilled with the help of a computer. Offish (1964) has given meaning of technology in following words.

“Application of Science to Art”

Whenever we use science of teaching in teaching process, education technology is emerged. Mainly two factors affect modern education.

- Physical Science
- Behavioural Science

Because of such factors, some specific abilities are found within students studying in primary as well as higher institutions. For example, any students has interest in music and some other is found behaving expertise in computers. We can say it a specific ability or his aptitude.

Awareness in computer means as individual is eager to achieve efficiency in his inner power and is interested to practice for development that ability. Present abilities indicate merit of future. Specific abilities, inherent within the person, can be developed by training. Suppose that a student has interest to learn computer subject, we can train him for this subject as and when he becomes aware of learning it by providing training. Some kinds of knowledge, skills and responses can be cultivated, but awareness only is not a skill or efficiency. It is such a present situation which indicates if the person is given training, he can attain skill or efficiency. This awareness must be stable for a long time. If it is not, how can future skills be predicated?

Being awareness of learning anything, its Test like Intelligence Test can be constructed. In this way

“Measurement means static description showing which extend certain characteristic is found within a person. We should make him do some small work to know whether individual can learn some work easily or not.

Awareness in computer is created among students by teaching knowledge of computers to students at primary, secondary and higher secondary level. Knowledge of computer is provided to students while teaching in class-room and in computer room. Students are provided knowledge of Microsoft DOS, Windows. Paint, MS Office Programming, Internet, Accounting etc in schools so aptitudes towards computers is created.

Thus, measurement of knowledge of computer is not only important during school education but also to guide students in selection of optional subjects in study in future. Technology has tried to bring innovative changes in traditional teaching methods. By using computers, teaching process has been important and made it effective. Cognitive development, Emotional development and active development can be possible by using computers and technology in education system. Computer assisted teaching-learning has given unprecedented contribution to educational world. Its effect is found stable and students create interest in study.

Objective of the Study:

- To Know Level of Computer Aptitude of B.Ed. Trainees
- To Study the Computer Aptitude of B.Ed. Trainees in relation to their gender.
- To Study the Computer Aptitude of B.Ed. Trainees in relation to their area.

Hypothesis of the Study:

- Ho₁ There will be no significant difference between the mean scores on Computer Aptitude test of Male and Female Trainees of B.Ed. Colleges.
- Ho₂ There will be no significant difference between the mean scores on Computer Aptitude test of Urban and Rural area Trainees of B.Ed. Colleges.
- Ho₃ There will be no significant difference between

the mean scores on Computer Aptitude test of Male and Female Trainees of Rural Area of B.Ed. Colleges.

Ho₄ There will be no significant difference between the mean scores on Computer Aptitude test of Male and Female Trainees of Urban Area of B.Ed. Colleges.

Research Method:

In the present research the researcher used Survey Method.

Population:

In the present study, the population is teachers performing duties in Gujarati medium B.Ed. Colleges Affiliated with Hemchandracharya North Gujarat University.

Methods of Sampling :

In the present study, the researcher has selected trainees of B.Ed. Colleges were classified as

Testing of Null Hypothesis :

male and female. Further, they were classified in two parts: Urban and rural area. In this way, total 388 trainees were selected for sample in the present study. Out of 388 trainees 182 trainees from rural area and 206 trainees form urban area.

Tool of the Study :

In the present study, the researcher had prepared Computer Aptitude Test.

Method of Analysis :

Data was analysis according to the gender, area and experience like variables. After that mean, standard deviation, standard error in standard deviation were counted. The hypothesis of research, according to the researcher objectives, were checked by 't' value. For this arithmetical counting, MS EXCEL computer programme was used.

Table No-1
Average, Standard Deviation and t-value of Score on the Basis of Gender

Gender	N	Mean	S.D.	Mean Diff.	Standard Error	t-Value	Level
Male	210	325.93	27.98	8.98	2.87	3.13	0.01
Female	178	316.95	28.24				

From Table -1 it becomes clear that the (H₀₁) is getting rejected at 0.01 level it means the male and female trainees are having difference in Computer Aptitude.

Table No-2
Average, Standard Deviation and t-value of Score on the Basis of Area

Area	N	Mean	S.D.	Mean Diff.	Standard Error	t-Value	Level
Urban	182	318.47	24.82	6.29	2.84	2.22	0.05
Rural	206	324.76	31.03				

From Table-2 it becomes clear that (H₀₂) is getting rejected at 0.05 level it means the trainees of urban and rural area are having difference in computer aptitude.

Table No-3
Average, Standard Deviation and t-value of Score on the Basis of Gender of Rural Area

Rural Area	N	Mean	S.D.	Mean Diff.	Standard Error	t-Value	Level
Male	97	321.71	26.23	6.95	3.63	1.91	N.S.
Female	85	314.76	22.70				

From Table-3 it becomes clear that (H₀₃) is getting accepted it means the male and female trainees of rural area are

having no difference in computer aptitude.

Table No-4
Average, Standard Deviation and t-value of Score on the Basis of
Gender of Urban Area

Urban Area	N	Mean	S.D.	Mean Diff.	Standard Error	t-Value	Level
Male	113	329.55	29.02	10.60	4.34	2.44	0.05
Female	93	318.95	32.53				

From Table-4 it becomes clear that (H_{04}) is getting rejected at 0.05 level. it means the male and female trainees of urban area are having difference in Computer Aptitude.

Findings of the study :

1. Majority of Trainees found Medium level of Computer Aptitude.
2. Effect of Gender found on Computer Aptitude of B.Ed. Trainees. Male trainees were found to have higher Computer Aptitude than Female Trainees which shows that gender of B.Ed. Trainees is affecting variable to Computer Aptitude.
3. Effect of area found on Computer Aptitude of B.Ed. Trainees. Trainees of Urban area were found to have higher Computer Aptitude than Trainees of rural area which shows that area of B.Ed. Trainees is affecting variable to Computer Aptitude.
4. Effect of gender not found on Computer Aptitude of B.Ed. Trainees of rural area. Thus, Male and female trainees of rural area were equal as far as their computer aptitude concern, which shows that gender of rural area B.Ed. Trainees is not affecting variable to Computer Aptitude.
5. Effect of gender found on Computer Aptitude of B.Ed. Trainees of urban area. Male Trainees of Urban area were found to have higher Computer Aptitude than Trainees of female trainees of urban area which shows that gender of B.Ed. Urban area Trainees is affecting variable to Computer Aptitude.

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