

Relationship between Attitude of School Teachers Towards Online Teaching And Their Educational Management Skills

Dr Usha Parvathy, Anu Jose, Hanna M. Shaji, Lidhy Mohan,
Associate Professor, Sree Narayana College of Education, Muvattupuzha, Kerala, India
Post Graduate Student, Sree Narayana College of Education, Muvattupuzha, Kerala, India
Post Graduate Student, Sree Narayana College of Education, Muvattupuzha, Kerala, India
Post Graduate Student, Sree Narayana College of Education, Muvattupuzha, Kerala, India

Abstract: COVID 19 pandemic has significantly disrupted our education sector. Shift to online methods of teaching creates a rapid change in the job roles and expectations of teachers. This study is conducted to assess the attitude of school teachers towards online teaching and to find its relationship with their educational management skills. The sample taken were 100 school teachers, the data was collected in Google forms, the tools used were Attitude Scale to check the attitude of teachers towards online teaching and Questionnaire to check the educational management skills of teachers. Statistics used were mean, standard deviation, correlation, significance of correlation and chi-square test. The results show that there is a positive correlation between the two variables.

Key words: Attitude, Educational management skills, Online Teaching, School teachers

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The impact of pandemic COVID 19 is observed in all sectors around the world. The education sectors all over the world are badly affected by this. Due to the increase in number of COVID 19 positive cases; Universities, Schools and Colleges are closed. Even though the lockdown destroyed the schedule of students, there is a ray of hope for teachers and students as they could continue their educational activities through online mode. According to Gemma (2020), Online Learning is the Future of Education because it is flexible, it offers a wide selection of programs, it is accessible, it allows customized learning experience and it is more cost effective than traditional Education. Online teaching is a special kind of methodology and not all teachers are good at it. All teachers are not prepared for this sudden transition from face to face teaching to online teaching. According to Lornem (2010), Education is changing fast. It has gone beyond the traditional four walls of the classroom. It is now web based and learners can work at their pace, seek knowledge and change geographic locations without losing ground. The job of those heading educational institutions in this dynamic sector is not an easy one and as such will be faced with more challenges of increasing students, changes in learning methods as well as managing resources. This study is conducted to assess the attitude of school teachers towards online teaching and find its relationship with their educational management skills. Conclusions were drawn by comparing and analyzing the responses of 100 school teachers through online Survey.

I. METHODOLOGY

Method - Online survey conducted with Google forms.

Tools – The tools used were Attitude Scale to check the attitude of teachers towards online teaching and Questionnaire to check the educational management skills of teachers prepared by the Investigators.

i. Attitude scale with 16 questions to check the attitude of teachers towards online teaching. There were 3 options for Attitude Scale, Always, Sometimes, and Never. The scores were 1, 2 and 3 respectively. For negative statements the scores were given in the reverse order.

ii. Questionnaire with 16 questions to check the educational management skills of teachers, which was prepared on the basis of selected eight components of educational management. The components of Educational Management skills taken for tool construction are Educational Planning, Educational administration, Educational organization, Educational direction, Educational Co-ordination, Educational supervision, Educational controlling and Educational Evaluation. (www.yourarticlelibrary.com/educational-management). Three options were given for each item and the responses were marked in the column provided. Among the three options, there is one positive option, one neutral option and one negative option. The positive option carries three marks, the neutral option carries 2 marks and the negative option carries 1 mark.

Sample - A sample of 100 school teachers from the state of Kerala in India was selected randomly for the study.

Statistics: Statistics used was mean, standard deviation, correlation, significance of correlation and chi-square test to find the relationship between the two variables.

The equations used are given below.

- i. $\bar{X} = \frac{\sum X}{N}$ (Koul, 2014)
- \bar{X} is the arithmetic mean, X is the sum of all the scores and N is the number of scores
- ii. $\sigma = \sqrt{\frac{\sum(x-\bar{x})^2}{N}}$ (Best, 2005)
- σ is the standard deviation $\sum(x-\bar{x})$ is the sum of deviation score and N is the number of scores.
- iii. $r = \frac{\sum(x-\bar{x})(y-\bar{y})}{\sqrt{\sum(x-\bar{x})^2 \sum(y-\bar{y})^2}}$ (Sharma,2012)

r is the product moment correlation coefficient.

iv $\chi^2 = \sum \left[\frac{(f_o - f_e)^2}{f_e} \right]$ (Koul, 2014)

- χ^2 is the chi-square, f_o is the frequency of occurrence of observed or experimentally determined facts, f_e is the expected frequency of occurrence

OBJECTIVES OF THE STUDY

- To find out the relationship between the Attitude of school teachers towards online teaching and their Educational Management skills in the total sample and sub samples based on gender.
- To find out the relationship between school teachers belonging to different levels on the basis of Attitude towards online teaching and Educational Management skills in the total sample.

HYPOTHESES OF THE STUDY

- H₁: There is a significant relationship between the attitude of school teachers towards online teaching and their educational management skills in the total sample and sub samples based on gender.
- H₂: There is a significant relationship between school teachers belonging to different levels on the basis of attitude towards online teaching and educational management skills in the total sample.

ANALYSIS AND INTERPRETATION OF THE DATA

For this study mean and standard deviation of scores regarding the Attitude of School teachers towards online teaching and their Educational management skills were calculated and these values were used to find out the correlation and chi-square between the variables.

Table – 1

Relationship between the Attitude of school teachers towards online teaching and their Educational Management skills in the total sample sub samples based on gender.

Sample	Variable	Number (N)	Mean (M)	Standard Deviation	r	Level of Significance
Total Sample	Attitude of School teachers towards Online teaching	100	33.1	6.5497	0.8648	p < 0.01
	Educational Management Skills		38.28	6.2701		
	Attitude of School teachers towards Online Teaching		33.3448	6.2535		

Female	Educational Management Skills	58	38.2931	6.3301	0.8935	p < 0.01
Male	Attitude of Schoolteachers towards Online teaching	42	32.7619	7.0010	0.8341	p < 0.01
	Educational Management Skills		38.2619	6.2627		

Table 1 shows that the correlation values between the attitude of school teachers towards online teaching and their educational management skills is 0.8648 and is found to be significant at 0.01 level of significance. This indicates that there is a significant, positive relationship between attitude of school teachers towards online teaching and their educational management skills. Table also shows that the correlation values between the attitude of male school teachers towards online teaching and their educational management skills is 0.8341 and is found to be significant at 0.01 level of significance. This indicates that there is a significant, positive relationship between the attitude of male school teachers towards online teaching and their educational management skills, while the correlation values between the attitude of female school teachers towards online teaching and their educational management skills is 0.8935 and it is also found to be significant at 0.01 level of significance. This indicates that there is a significant, positive relationship between the attitude of female school teachers towards online teaching and their educational management skills.

Table – 2

Relationship between school teachers belonging to different levels on the basis of attitude towards online teaching and educational management skills in the total sample

		Educational Management Skills			Total
		Above Average	Average	Below Average	
Attitude of School Teachers Towards Online Teaching	Above Average	(2.56) 10	(10.88) 6	(2.56) —	16
	Average	(11.52) 6	(48.96) 58	(11.52) 8	72
	Below Average	(1.92) —	(8.16) 4	(1.92) 8	12
Total		16	68	16	100

The computed value of X^2 is 55.05
df = 4

The X^2 critical values for 4 df as given in the chi square table are 9.488 and 13.277 respectively for 0.5 and 0.1 levels of significance. Table 2 shows that the obtained value 55.05 of X^2 is higher than these values. This

indicates that there is a significant relationship between school teachers belonging to different levels on the basis of attitude of towards online teaching and educational management Skills in the total sample.

II. CONCLUSION

The study shows that 16%, 72% and 12% of School teachers have above average, average and below average attitude towards on line teaching. 16%, 68% and 16% of School teachers have above average, average and below average Educational management skills. The conclusions of the study show that there is a High, Positive, significant relationship between the attitude of school teachers towards online teaching and their educational management skills in the total sample and also on the basis of gender. While analyzing the responses of teachers, it can be concluded that teachers with high educational management skills have better attitude towards online teaching as there is a significant relationship between school teachers belonging to different levels on the basis of attitude of towards online teaching and educational management in the total sample. The study helps the teachers to improve their teaching methods. The study highlights the importance of Educational Management skills in improving Teaching –Learning methods, especially through Online mode. Various in service programs may be designed to improve the Educational Management skills and ICT skills of teachers to improve online teaching.

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