



## ATTITUDE OF STUDENT-TEACHERS TOWARDS DIGITAL LIBRARY

Saraswati Das<sup>1</sup> and Dr. Bimal Charan Swain<sup>2</sup>

*Teacher Educator, DIET Jharsuguda (Odisha)*

*Principal, KSUB College of Teacher Education, Bhanjanagar, Ganjam (Odisha)*

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### Abstract

*The present study deals with the attitude of student-teachers of B.Ed. towards digital library. The sample consists of fifty student-teachers of Regional Institute of Education, Bhopal, Madhya Pradesh. The result reveals that there is strong positive and favorable attitude of student-teachers towards digital library. There is no significant difference between the attitude of student-teachers towards digital library in the context of gender and subject.*

**Keywords:** Digital Library; Attitude; Student- teachers.

### Introduction

E-books, digital libraries and E- resources were introduced in 21st century. Digital libraries are the outcomes of ICT (Information Communication and Technology) explosion. The concept of digital library is a global phenomenon and library have started connected with each other (Dilli, 2009). Digital library denotes an organization and digitalized system of data that can serve as a rich resource for its users. Digital library is electronic library rather than a collection of electronic information. The concept of digital library is growing rapidly. The future of any country depends on its education system and information transmission. In 21st century if we want the country to be developed then country needs the acceptance of the digitalization of books or library.

Rathod (2013) studied about “digital libraries in academic institutions”. The Study focused on the concept and issues of digital library which stores the information in the digital format. Khan (2016) investigated the factors that influence the adoption of digital library

among research students. The findings revealed that interface characteristics influence cognitive response which predict student's intention of using digital library. Navigation, individual differences and system characteristics significantly affected the ease of use. Usefulness is directly affected by system characteristics and system quality. Finally, it is found that usefulness has highest effects on digital library usage intention. Ilahi, Widiaty, Wahyudin and Abdullah (2019) conducted a study on digital library on learning resources and it revealed that the implementation of the digital library was very helpful in education to get information quickly and dynamically.

**Objectives of the Study:** This study was guided by the following objectives

1. To study the attitude of student-teachers towards digital library.
2. To study the attitude of male and female student-teachers towards digital library.
3. To study the attitude of Science and Social Science student-teachers towards digital library.

**Hypotheses of the Study:** Considering the above objectives, the study has the following hypotheses.

H01: There is no significant difference in the attitude of student-teachers towards digital library.

H02: There is no significance difference between the attitude of male and female student-teachers towards digital library.

H03 There is no significance difference between the attitude of science and social science student-teachers towards digital library.

**Methodology:** The investigation was conducted on 50 B.Ed. students of Regional Institute of Education, Bhopal, Madhya Pradesh. A self-developed attitude scale for student-teachers was developed and used by researchers. There were twenty items in the scale.

**Analysis and Interpretation of Data:** Keeping in view the objectives of the study data were analyzed under following headings.

Attitude of Student-teachers towards Digital Library.

*Table 1: Student-teachers attitude towards Digital Library.*

	<b>Interpretation</b>	<b>Frequency</b>	<b>Percentage (%)</b>
Student-teachers	Very High attitude towards digital library	16	32
	High attitude towards digital library	31	62
	Moderate attitude towards digital library	3	6

Table-1 shows that, 94% student teacher showed high attitude towards digital library and only 6% student teacher showed the moderate attitude towards digital library.

Attitude of Male and Female Student-teachers towards Digital Library.

Attitude of male and female student-teachers towards digital library have been presented in Table-2.

*Table 2: Mean and Standard Deviation of attitude of Male and Female Student-teachers towards Digital Library*

<b>Gender</b>	<b>N (No. of Student-teachers)</b>	<b>Mean</b>	<b>SD</b>
<b>Male</b>	23	80.82	6.95
<b>Female</b>	27	80.74	7.90
<b>Total</b>	50	80.77	7.40

Table-2 reveals that the mean score of attitudes of B.Ed. male and female student- teachers towards digital library is 80.82 and 80.74 respectively. While the Mean and Standard Deviation of attitude of overall B.Ed. student-teachers towards digital library is 80.77 and 7.40 respectively.

*Table 3: t-value of Male and Female Student-teachers Attitude towards Digital Library.*

<b>Gender</b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>df</b>	<b>t- value</b>	<b>Significance Level</b>
<b>Male</b>	23	80.82	6.95	48	0.04	Not significant
<b>Female</b>	27	80.74	7.90			

The t-value between the mean score of the attitude of male and female students was found to be 0.04. The degree of freedom is 48 at 0.05 levels of the table value 1.677 is greater than the calculated value 0.04.. From the above result it is clear that the obtained t-value is insignificant at 0.05 level.

Therefore hypothesis no.2 “There is no significant difference between attitude of male and female student teachers towards digital library” is accepted. Hence, both male and female student teachers had same positive attitude towards digital library.

Attitude of Science and Social Science Student teachers towards Digital Library.

To Study the attitude of B.Ed. Science and Social Science student-teachers towards digital library mean and standard deviation was calculated and is presented in Table -4.

*Table 4: Mean and Standard Deviation on attitude of Science and Social Science Student-teachers towards Digital Library.*

<b>Stream</b>	<b>N</b>	<b>Mean</b>	<b>SD</b>
<b>Science</b>	32	80.06	7.38
<b>Social Science</b>	18	82.05	7.48
<b>Total</b>	50	80.77	7.40

Table-4 reveals that the mean score of attitudes of B.Ed. science and social science student-teachers towards digital library is 80.06 and 82.05 respectively. While the mean and standard deviation of attitude of overall B.Ed. student-teachers towards digital library is 80.77 and 7.40 respectively.

So, it is revealed that attitude of both science and social science student-teachers attitude of overall group towards digital library was positive. It also reflects that the attitude of social science student-teachers towards digital library was found to be positive and higher than that of science student-teachers.

*Table 5: t-value of Science and Social Science Student Teachers attitude towards Digital Library.*

<b>Stream</b>	<b>N</b>	<b>Mean</b>	<b>SD</b>	<b>df</b>	<b>t-value</b>	<b>Significance Level</b>
<b>Science</b>	32	80.06	7.38	48	0.91	Not Significant
<b>Social Science</b>	18	80.05	7.48			

The t-value between the mean score of the attitude of science and arts students – teachers was found to be 0.91. The degree of freedom is 48 at 0.05 level of the table value 1.677 was greater than the calculated value 0.91. Therefore, it is not significant. From the above result it is clear that the obtained t-value is insignificant at 0.05 level.

Therefore hypothesis no.3 “There is no significance difference between attitude of Science and Social Science student-teachers towards digital library” is accepted. Hence both science and social science student-teachers had same positive attitude towards digital library.

**Major Findings of the Study:** Majority of student-teachers had favourable attitude towards digital library.

1. There was no difference between the attitude of male and female student-teachers towards digital library.

2. There was no difference between the attitude of science and social science student-teachers towards digital library.
3. There was strong and positive attitude of student-teachers towards digital library.

### **Conclusion**

Maximum number of student-teachers had positive attitude towards digital library. It means that digital library is helpful to them in education. 94% student- teachers were in favour of digital library education i.e. 32% student-teachers had very high attitude and 62% student-teachers had high attitude towards digital library. Second objective was to study the attitude of male and female student- teachers towards digital library and it was seen that both male and female student-teachers had positive attitude towards digital library. Further male student teachers had comparatively high attitude than female student teachers. Third objective was to study the attitude of science and social science student-teachers towards digital library and it was found that both science and social science student-teachers had same positive attitude towards digital library. Further social science student- teachers had comparatively high attitude than social science student-teachers.

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