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"A STUDY OF CREATIVE TEACHING ATTITUDE OF B.Ed. STUDENT-TEACHERS OF SCIENCE AND ARTS STREAM"

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ABSTRACT:

The present study was to compare the Creative Teaching Attitude of B.Ed. student-teachers of Science and Arts stream. A sample of B.Ed. student-teachers was taken from B.Ed. colleges of Deoghar and Madhupur in Deoghar district. Stratified random sampling has been used for this study. Attitude scale of creative teaching developed by Dr. R.P. Shukla has been used for this study. The study declared that there is no significant difference between the creative teaching attitude of male and female B.Ed. student –teachers of science and arts B.Ed. student –teachers also.



KEYWORDS: Creative Teaching Attitude, B.Ed. student

1. INTRODUCTION :-

Today we are living in a creative world. Whatever we are doing, thinking should be creative. Traditional brain can create something but creative brain can create many things. Only creative brain forms a creative world, and they also can achieve his or her target.

We thought that only scientist's brain should be creative and they can create something. But today's thought is different. We can ask question to ourselves that who is creator of scientist? It is a very small question. I think question should be who is creator of doctor, engineer, professor, businessman, officer etc.?

Yes, answer is 'TEACHER'.

Teacher is creator of us after our parents.

Attitude towards profession means on person feeling, behavior and commitment to the profession or job .If the teacher is committed and has positive attitude then it is sure that his performance will be better and his efforts will be fruitful. The quality of education depends upon ability and efficiency of teacher. If the teachers are well trimmed, motivated and committed with their profession learning will be enhanced.

Creativity is a cluster of skills that are needed to produce ideas that are both original and valuable(Sternberg, 2001), and Teaching Creatively has been defined as 'teachers using

imaginative approaches to make learning more interesting, exciting and effective'(NACCCE, 1999). Teaching creatively requires both the 'right' set of skills and dispositions.

Creative teacher need capability in particular field because it can show whether the teacher is familiar with that particular lesson and able to teach well. They need to use some techniques that inspire their interest and raise their self esteem and confidence.

Teachers' creativity and attitude are very important and they play major roles to increase students' learning proficiency. B.Ed. student-teachers are future teachers and our nation builder. So, they must achieve positive teaching attitude as well as

creative teaching attitude.

2. REVIEW RELATED LITERATURE:

Sethi and Kaur (2015) Conducted study on "Attitude of Pre-service Teachers towards creative teaching.

Major finding:

- i) Pre-service Teachers of Science stream are more positive towards creative teaching as compared to Pre-service teachers of Humanities streams.
- ii) Pre-service Teacher of Science stream are more positive towards creative Teaching as compared to Pre-service teacher of Commerce stream.
- iii) Pre-service teacher of Commerce stream are more positive towards creative Teaching as compared to Pre-service Teachers of Humanities stream.

Kaur (2015) conducted study on "Attitude of B. Ed. Students towards creative Teaching in Relation to certain Background factors".

Major finding:

Genders are not significant and negligible difference between means is just by chance factor but other demographical variable have significant impact on the attitude towards creative teaching of B. Ed. Student teachers. The locality is an important factor of teaching.

Kumar (2013) conducted a study on "Attitude of B. Ed. Students towards creative teaching: A study of Science and arts stream teachers."

Major finding:

B. Ed. Student teachers of Science stream have more positive attitude towards creative teaching than their counterparts of arts stream where as the female students teachers also have positive attitude than the male students teachers.

Gupta & Jan (2013) made a study on "Attitude of B. Ed. Pupil-Teachers of Science and Arts streams towards Creative Teaching: A Study."

Major finding:

B. Ed. Students of Science stream have more positive attitude towards creative teaching than their counterparts of arts stream where as the female pupil teachers also have positive attitude than the male pupil teachers.

Dr. Meena K. Rokade (April, 2011) has conducted "Teaching attitude of the pre-service and In-service B. Ed. Trainees." Lecturer Shri Shivaji College of Education, Amravati, Maharashtra.

Major finding:

1. Pre-service male and female B. Ed. Trainees differed significantly in their teaching attitude.
2. There was no significant difference in teaching attitude of in service male and female B. Ed. Trainees.
3. There was no significant difference in teaching attitude of pre-service and in service male B. Ed. Trainees.
4. Pre-service and in-service female and male B. Ed. Trainees different significantly in their teaching attitude.
5. Pre-service and in-service B. Ed. Trainees differed significantly in their teaching attitude.

3. OBJECTIVES:

- To assess Creative Teaching Attitude of male and female B.Ed. student teachers.
- To asses Attitude towards Creative Teaching of science and arts stream of B.Ed. student teachers.
- To assess Creative Teaching Attitude of male arts stream and female arts stream of B.Ed. student teachers.
- To assess Creative Teaching Attitude of male Science stream and female science stream of B.Ed. student teachers.

4. HYPOTHESES

To attain the objectives, the hypotheses of this study are as follows:

- There is no significant difference between the Creative Teaching Attitude of male and female B.Ed. student teachers.
- There is no significant difference between the Creative Teaching Attitude of B.Ed. student teachers belonging to science and arts streams.
- There is no significant difference between the Creative Teaching Attitude of male and female B.Ed. student teachers belonging to arts stream.
- There is no significant difference between the Creative Teaching Attitude of male and female B.Ed. student teachers belonging to science stream.

5. DELIMITATION OF THE STUDY

- The study was conducted on B.Ed. Colleges.
- The area of the study was restricted to Deoghar district. Jharkhand.
- The researcher study was delimited in Deoghar and Madhupur.
- The present study confines to Hindi Vidyapith, Deoghar; Shivam College of Education, Deoghar; Jasidih B.Ed. College, Deoghar; Madhusthali Institute of Teacher Training, Madhupur.

6. RESEARCH METHODOLOGY:

In the present study, survey method was used to evaluate the creative teaching attitude of B.Ed. student-teachers. Stratified random sampling was used for selecting the data. The sample consists of both male and female B.Ed. students of science and arts streams. Dr. R.P. Shukla’s scales (Attitude Scale of Creative Teaching) was used for the study. The scale consists of 30 items and it is a five point scale. In this scale, item no. 1,5,10,15,20,25 and 30 are negative for which and marking are 1,2,3,4,5 and rest 24 items are positive and marking for them are 5,4,3,2,1.

After collecting the data mean, standard deviation and after that ‘t’ ratio has been calculated. The following tables and subsequent understanding presents a thorough description of the study.

7. ANALYSIS OF HYPOTHESES:

Table 1: Descriptive statistics related towards creative teaching of male and female student teachers.

Variable	No of samples	M	SD	't' value
Teaching Attitude of Male student teacher	73	103.80	8.88	0.98
Teaching Attitude of female student teacher	77	105.22	8.61	

$$df = (n_1 + n_2) - 2 = (73 + 77) - 2 = 150 - 2 = 148$$

The above table 1 shows the mean of Creative Teaching Attitude of Male = 103.80 & SD of Creative Teaching Attitude of Male = 8.88, the mean of Creative Teaching Attitude of Female = 105.22 &

SD of Creative Teaching Attitude of Female = 8.61. The 't' value of Creative Teaching Attitude of Male and Female is 0.98 and table value of t ($df = 148$) at 0.01 level is 2.61.

According to this table the calculate value is less than table value at 0.01 level. Hence null hypothesis is accepted. Therefore it is concluded that there is no significant difference between Creative Teaching Attitude of Male and Female B.Ed. student-teachers.

Table 2: Descriptive statistics related towards Creative Teaching Attitude of Science and Arts B. Ed. Student teachers.

Variable	No of samples	M	SD	't' value
Creative Teaching Attitude of Science student teacher	71	104.68	8.62	0.069
Creative Teaching Attitude of Arts student teacher	79	104.78	8.93	

$$df = (n_1 + n_2) - 2 = (71 + 79) - 2 = 150 - 2 = 148$$

The above table 2 shows the mean of Creative Teaching Attitude of science student teachers = 104.68 & SD = 8.62, the mean of Creative Teaching Attitude of arts student Teachers = 104.78 & SD = 8.93. The 't' value of Creative Teaching Attitude of Science and Arts B. Ed. Student teachers is 0.069 and table value of t ($df = 148$) at 0.01 level is 2.61.

According to this table the calculate value is less than table value at 0.01 level. Hence null hypothesis is accepted. Therefore it is concluded that there is no significant difference between in Creative Teaching Attitude of Science and Arts B. Ed. Student teachers.

Table 3: Descriptive statistics related towards Creative Teaching Attitude of male and female B. Ed. Student teachers of Arts stream.

Variable	No of samples	M	SD	't' value
Creative Teaching Attitude male student teachers of Arts stream	24	100.71	8.42	2.691
Creative Teaching Attitude female student teachers of Arts stream	55	106.35	8.41	

$$df = (n_1 + n_2) - 2 = (24 + 55) - 2 = 79 - 2 = 77$$

The above table 3 shows the mean of Creative Teaching Attitude of male student teachers belonging to arts stream = 100.71 & SD = 8.42, the mean of Creative Teaching Attitude of female student teachers belonging to arts stream = 106.35 & SD = 8.41. The 't' value of Creative Teaching Attitude of male and female B. Ed. Student teachers belonging to arts stream is 2.691 and table value of t ($df = 77$) at 0.01 level is 2.64.

According to this table the calculate value is more than the table value at 0.01 level. Hence null hypothesis is rejected. Therefore it is concluded that there is significant difference between male and female B. Ed. Student teachers belonging to arts stream in Creative Teaching Attitude. Further inspection of mean scores of student teachers of both male and female respectively (100.71, 106.35) revealed that female student teachers of arts stream scored higher than their counterparts of male

student teachers of arts stream. So it can be concluded that B. Ed. arts student teachers of female have more favorable Creative Teaching Attitude than their counterparts belonging to male student teachers of arts stream.

Table 4: Descriptive statistics related towards Creative Teaching Attitude of male and female B. Ed. student teachers of Science stream.

Variable	No of samples	M	SD	't' value
Creative Teaching Attitude male student teachers of Science stream	49	104.02	8.85	0.76
Creative Teaching Attitude female student teachers of Science stream	22	102.32	8.33	

$$df = (n_1 + n_2) - 2 = (49 + 22) - 2 = 71 - 2 = 69$$

The above table 4 shows the mean of Creative Teaching Attitude of male student teachers belonging to Science stream = 104.02 & SD = 8.85, the mean of Creative Teaching Attitude of female student teachers belonging to Science stream = 102.32 & SD = 8.33. The 't' value of Creative Teaching Attitude of male and female B. Ed. Student teachers belonging to Science stream is 0.76 and table value of t ($df = 69$) at 0.01 level is 2.65.

According to this table the calculate value is less than the table value at 0.01 level. Hence null hypothesis is accepted. Therefore it is concluded that there is no significant difference between the Creative Teaching Attitude of male and female B. Ed. student teachers belonging to Science stream.

8. CONCLUSION:

In the present study the conclusion are as follows –

- i. There is no significant difference between Creative Teaching Attitude of Male & Female B. Ed. students at 0.01 level.
- ii. There is no significant difference between Creative Teaching Attitude of Science and Arts B. Ed. Student-teachers at 0.01 level.
- iii. B. Ed. Art student teachers of female have more favorable Creative Teaching Attitude than their counterparts belonging to male student- teachers of arts stream at 0.01 level.
- iv. There is no significant difference between the Creative Teaching Attitude of male and female B. Ed. Student-teachers belonging to Science stream at 0.01 level.

9. EDUCATIONAL IMPLICATION:

- The finding of the study will help the B. Ed. student teachers to improve their creative teaching attitude.
- The finding of this study will help policy framer and to develop new programmer and policies for developing positive attitude among science and arts B.Ed. Student teachers.
- The finding of this study will help administration to understand the difference creative teaching attitude of science and arts, male and female B. Ed. Student teachers towards teaching profession.

- The finding of this study will help the B. Ed. Student teachers for their professional development.
- Teachers must try to use creative techniques and not just because it helps the teacher in many areas like evaluation of student's performance, classification of children according to abilities, preparation of time-table and schedules, providing immediate feedback to students for better interaction and motivation etc.
- Creative teaching helps the teacher to deliver instructions and fulfill student's need more efficiently.
- In creative teaching, teachers feel more satisfied because they are able to teach, better and also they are free to work and they collect a lot of information.
- The result of the study may give a helping hand to students so that they may choose the stream of their own attention and may attempt to develop positive creative attitude.
- The results of the study are also helpful to teacher trainees as they are the future teachers so they should reach positive attitude towards original teaching and mastery over the methods of original teaching.
- Present study will help the Educational institutions and Teacher educator to organize various co-curricular activities to enhance critical thinking and problem solving abilities among pre-service teachers of different streams.

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