TEACHER TRAINEE'S META-COGNITIVE AWARENESS IN RELATION TO THEIR ATTITUDE TOWARDS TEACHING

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ABSTRACT

The second half of the twentieth century had tremendous concentration over the meta-cognitive The second half of the twentieth century had treative control of the cognitive processes engaged in aspects of knowledge which are involved in the active control of the present study is to find a spects of knowledge which are involved in the actives of the present study is to find a aspects of knowledge which are involved in the deline aspects of the present study is to find out if there the teaching and learning process. The main objectives of the present study is to find out if there the teaching and learning process. The main of the teaching and learning process. The main of the teaching and learning process. The main of the teaching exists any difference in teacher trainees' meta-cognitive awareness and attitude towards teaching exists any difference in teacher trainees' meta-cognitive awareness and attitude towards teaching exists any difference in teacher trainees medium of study. A sample of 200 B.Ed. trainees were selected in respect of their gender, age, and medium of study. It is found that teacher two the respect of their genuer, age, and meaning the investigation. It is found that teacher trainees have low meta-cognitive awareness and have a favourable attitude towards teaching. Further it is found that there is significant difference in respect of gender, age and medium of study in respect of meta-cognitive awareness and attitude towards teaching. The study also indicates that there exists low and negligible relationship between meta-cognitive awareness and attitude towards teaching

CONTEXTUALIZATION

Cognition is a universal language of thought process. Learners should be surrounded by constructive and lovely things so that their cognition will continue to grow and deepen. One of the crises that grip every teacher trainee is the inability to control and structure the cognitive processes in teaching and learning.

The information processing approach of Robert Siegler (1998) claims that this approach has made a strong influence over the learners' thinking process which is elastic and flexible in nature. In meta-cognition individual learners are made to confront with the realities and are exemplified with self modification strategies. Information processing is associated with one of the affective domain functions of formation of attitude. Therefore investigators have made an attempt to study teacher trainee's metacognitive awareness and attitude towards teaching.

OBJECTIVES OF THE STUDY

- To study meta-cognitive awareness of teacher trainces
- 2. To study teacher trainee's attitude towards teaching.
- 3. To study whether there is any significant difference between meta-cognitive awareness with respect to a. gender b. age and c. medium of study

- 4. To study whether there is any significant diffbetween teacher traines attitude towards teacher with respect to
 - a. gender
 - b. age and
 - c. medium of study
- To study whether there is any significant relation between meta-cognitive awareness and tea trainee's attitude towards teaching.

HYPOTHESES OF THE STUDY

- Teacher trainees have average meta-cogni awareness.
- Teacher trainees have favourable attitude tows teaching.
- There is no significant difference between - cognitive awareness with respect to a. gender b. age and c. medium of study
- 4. There is no significant difference between test trainee's attitude towards teaching with respect

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a. gender b. age and c. medium of study

There is no significant relationship between teacher trainee's meta-cognitive awareness and attitude towards teaching.

WETHOD OF STUDY

Normative survey method is adopted in the present rudy

The sample for the present study is 200 commerce eacher trainees belonging to Kottayam and Ernakulam stricts of Kerala State. The sample for the study has een selected by the purposive sampling technique.

The investigators used the meta-cognitive vareness scale constructed and validated by Babu, and Simon Philip (2007). This scale consists of 24 atements to measure the various facets of meta-cognition ch as monitoring, planning and comprehension and has en prepared on a five point scale with strongly agree, ree, strongly disagree, disagree, and undecided. The aximum score in this scale is 120 and the minimum score 24. Teacher trainees having a score of 90 and above e considered to have high meta-cognitive awareness and ose with a score of 60-89 are considered to have verage meta-cognitive awareness and those with a score f 30-59 are considered to have low meta-cognitive wareness and those with a score of less than 30 are considered to have very low meta-cognitive awareness. The reliability of the test is established by the investigators, which is found to be 0.86 by the test-retest method. The tem validity of the statements were also established and tems which have high discriminating power and those tems which had 't' values significant at 0.05 level or higher have been included in the scale. In order to measure the attitude of teacher trainees towards teaching, the investigators applied the inventory constructed and standardized by Ummme Kulsum (2001). This inventory consists of 55 items of which 25 are favourable and 30 are unfavourable. Each item has four alternatives. They ate strongly agree, agree, disagree, and strongly disagree. Scoring for favourable items is 4,3,2, and 1 and for unfavourable items scoring is in the reverse. This inventory 15 constructed for a maximum score of 220. Hence having ascore of 110 and above indicates a favourable attitude towards teaching.

RESULTS OF THE STUDY

Research The results of the study of teacher trainee's meta-cognitive awareness and their attitude towards teaching are given below.

TABLE 1 MEAN AND STANDARD DEVIATION OF THE ENTIRE SAMPLE IN RESPECT OF TEACHER TRAINEE'S META-COGNITIVE AWARENESS AND THEIR ATTITUDE TO TEACHING

Entire Sam ple	N	Me	an	Standard Deviation		
		Meta- cognitive Awarenes s	Attitude to Teaching	Meta- cognitive Awareness	Attitude to	
	200	46.01	131.63	15.54	42.83	

In Table-1 the mean (46.01) and standard deviation (15.54) scores of the entire teacher trainees show low meta-cognitive awareness. The mean (131.63) and standard deviation (42.83) scores of the teacher trainee's attitude towards teaching is favourable. It is found that the entire sample of teacher trainees reveals low meta-cognitive awareness and favourable attitude towards teaching.

TABLE 2 THE TEST OF SIGNIFICANCE ('t'-TEST) OF META-COGNITIVE AWARENESS OF TEACHER TRAINEES

Variables	Sub groups	N	Mean	S.D.	't' Value	Signifi cance at 0.05 level
Gender	Male	75	56.99	19.58	12.63	Significant
	Female	125	33.54	5.29		
Age	Less than 22 Years	148	45.22	19.12	3.86	Significant
	Above 22 Years	52	53.65	18.06		
Medium of Study	English Medium	80	52.64	19.72	12.41	Significant
	Malayalam Medium	120	34.03	5.48		

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It is found from Table-2 that there is significant difference in mean meta-cognitive awareness scores of

- 1. Male and female teacher trainees
- Trainees who are less than 22 years of age and above 22 years of age
- 3. English and Malayalam medium teacher trainees.

Male teacher trainees show better meta-cognitive awareness than their counter parts. Trainees who are above 22 years of age show better meta-cognitive awareness than trainees who are less than 22 years of age. Trainees who have studied in English medium schools have better meta-cognitive awareness than Malayalam medium trainees. It is found from Table. 2 that the mean meta-cognitive awareness scores of teacher trainees fall in the range of 30-59. Hence it is concluded that teacher trainees have low meta-cognitive awareness.

TABLE 3 THE TEST OF SIGNIFICANCE ('t'-TEST) OF TEACHER TRAINEE'S ATTITUDE TOWARDS TEACHING

Variables	Sub groups	N	Mean	S.D.	't' Value	Signifi cance at 0.05 level
Gender	Male	75	115.24	44.96	9.61	Significant
	Female	125	158.94	18.35		
Age	Less than 22 Years	148	101.07	44.17	6.04	Significant
	Above 22 Years	52	142.36	36.88		
Medium of Study	English Medium	80	159.72	18.48	10.32	Significant
	Malayalam Medium	120	112.90	44.24		

Table-3 shows that there is significant difference in mean attitude towards teaching scores of

- 1. Male and female trainees
- 2. Trainees who are less than 22 years of age and above 22 years of age
- 3. Trainees who studied in English and Malayalam medium schools.

better attitude towards teaching than their counterparts. Teacher trainees who are less than 22 years of age show unfavourable at towards teaching. Trainees who are above 22 years of age. Trainees who are less than 22 years of age. Trainees who are less than 22 years of age. Trainees who studied in English medium schools have better attitude towards teaching than Malayalam medium trainees, it is concluded that Male teacher trainees, female trainees, teacher trainees who belong to the age group of less teacher trainees who are above 22 years have unfavourable attitude towards teacher trainees who are above 22 years have the age and the age and the age and the a

TABLE 4 SHOWING THE RELATIONSHIP BETWEE META-COGNITIVE AWARENESS AND ATTITUDE TOWARDS TEACHING

Variables	'r' Value	0.01 Level	
Meta-cognitive awareness and attitude towards teaching	0.23	Not Significant	

Table-4 shows that there is no significant relations between meta-cognitive awareness and attitude town teaching. The 'r' value is 0.23 at 0.01 level. This indicates that the relationship between meta-cognitive awareness and attitude towards teaching is low.

DISCUSSION

Male teacher trainees have better meta-cogniawareness than female teacher trainees. But female teacher trainees are often reluctant to apply strategies that are previously used in their class room situations. Therefore the teacher trainees should be prompted to strategies and transfer them to new situations.

Learning to apply new approaches takes time. On the practice the teacher trainees can learn to execute strategies efficiently and competently. Results show female teacher trainees have better favourable attitudes towards teaching which is similar to various results.

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The general assumption is that the trainees with hove 22 years of age have varied exposures to media, aspapers and journals and show better meta-cognitive wareness and attitude towards teaching. It is often asidered that the trainees who studied in English medium hools have better attitude towards teaching because of varied exposures and work experience received during er study. Trainees who belong to the age group of less n 22 years have exhibited unfavourable attitude towards ching. This could be due to the lack of exposure to ching and understanding the methodical approaches in ching and learning. The correlation study has shown there is low relationship between meta-cognitive areness and attitude towards teaching. This also icates that the relationship between metacognitive areness and attitude towards teaching is negligible.

COMMENDATIONS

It is recommended that female teacher trainees be given better attention in sparing more time for reading and comprehending concepts and to control their thinking process.

More applied aspects of cognitive strategies should be used to analyse the learner's cognitive processes and to conduct analytical tests and comprehension tests in their respective class rooms.

It is recommended that competitions be conducted in class rooms to stimulate cognitive and non cognitive abilities among B.Ed. trainees.

ONCLUSION

It is important to focus our attention on laying mphasis on developing multiple competencies and oplying and executing strategies for controlling the thinking Process and monitoring the thinking styles of teacher nees. It can be concluded that the teacher trainees who tesourceful agents of transformation of the young eneration have to concentrate on accelerating the Intive capabilities. The parents and teachers should olve effective strategies.

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