

**A STUDY ON ASSESSMENT OF ENVIRONMENTAL  
AWARENESS AMONG TEACHER TRAINEES IN  
TEACHER TRAINING INSTITUTES**

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**Abstract:**

The present study is focused on the assessment on environmental awareness among teacher trainees in teacher training institutes in Tiruchirapalli district; tamilnadu. The investigator used normative survey method for the study. The sample consists of 300 teacher trainees from seven teacher training institutes in Tiruchirapalli district. Simple random sampling technique has been used for the selection of sample. The investigator himself developed a questionnaire on assessment of environmental awareness. The statistical techniques like percentage analysis, differential analysis and correlational analysis were used to analyze the data. The major finding of study reveals that teacher trainees in Tiruchirapalli district have average level of environmental awareness with regard to back ground variables such as gender, locality and teaching competence

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## INTRODUCTION

Environmental education is the study of nature, natural resources, the interrelationship with man, human activities, disturbances to the environment and the attempts to improve the environment. It is the application of knowledge from different disciplines to study and manage the environment. It is also study and manages the environment. It is also study of the conditions, circumstances and influences that affect life and how life in turn responds. Life requires the correct balance of environmental conditions to survive. This study of connections in nature can explain how environment is being used and abused.

Environment study is based upon a comprehensive view of various environmental systems. It aims to make the citizens competent to do scientific work and to find out practical solutions to current environmental problem.

## STATEMENT OF THE PROBLEM

“ASSESSMENT OF ENVIRONMENTAL AWARENESS AMONG  
TEACHER TRAINEES IN TRAINING INSTITUTES”

## OBJECTIVES OF THE STUDY

1. To find the level of environmental awareness of teacher trainees in teacher training institutes in Trichy and its dimensions is average.
2. To find the level of participation in extension activities of teacher trainees in teacher training institutes in Trichy is average.
3. To find the level of environmental awareness of teacher trainees in teacher training institutes in Trichy with regard to their gender is average.
4. To find the significance of difference in environmental awareness of teacher trainees in teacher training institutes in Trichy with regard to their gender.

## HYPOTHESES OF THE STUDY

1. The level of environmental awareness of teacher trainees in teacher training institutes in Trichy and its dimensions is average.

2. The level of participation in extension activities of teacher trainees in teacher training institutes in Trichy is average.
3. The level of environmental awareness of teacher trainees in teacher training institutes in Trichy with regard to their gender is average.
4. There is no significant difference in environmental awareness of teacher trainees in teacher training institutes in Trichy with regard to their gender.

## OPERATIONAL DEFINITION

**Study:** By this the investigator means to investigate the problem started in a detail manner.

### Assessment of Environmental awareness

By this investigator means the score obtained on the Research Tool prepared and validated by the investigator for accessing “Environmental awareness”.

### Teacher Trainees

By this investigator means the Teacher Trainees studying in Teacher Training Institutes in Trichy.

## RESEARCH PARADIGM

The investigator adopted “survey method “and “random sampling Technique” to collect data. The teacher trainees form the population for the study. The sample is 300; the investigator has planned to take of around 5% of the population about the sample. Therefore out of 35 Teacher Training Institutes from the investigator has taken 7 or 8 Teacher Training Institutions located around Trichy. From each Teacher Training Colleges the Investigator has taken out 35-40 students satisfying the population as male and female.

The investigator perused the tools available in the market. Since there is no standard tool available for assessing the ENVIRONMENTAL AWARENESS, The investigator worked out strategy to prepare and validate his own research tool studying the environmental awareness. To

establish the item validity of the tool, a pilot study was done. Reliability was established by test-retest method.

The data collected were statistically analyzed and conclusions were drawn. For establishing the validity for the prepared draft tool the investigator made use of content validity and item validity. Statistical techniques like percentage analysis, Differential analysis, and Correlation analysis were used to analyze the data.

## POPULATION AND SAMPLE

### Population

All the Teacher Trainees in the Teacher Training Institutes in Trichy.

### Sample

The investigator has planned to take of around 5% of the population about the sample. Therefore out of 35 Teacher Training Institutes from the investigator has taken 7 or 8 Teacher Training Institutions located around Trichy. From each Teacher Training Colleges the Investigator has taken out 35-40 students satisfying the population as male and female.

## RESEARCH TOOLS

### Assessment of environmental awareness

Among teacher trainees : Prepared and validated by the investigator

Teaching Competence : Rating scale 11- point to be rated by the concern teacher

## DATA COLLECTION

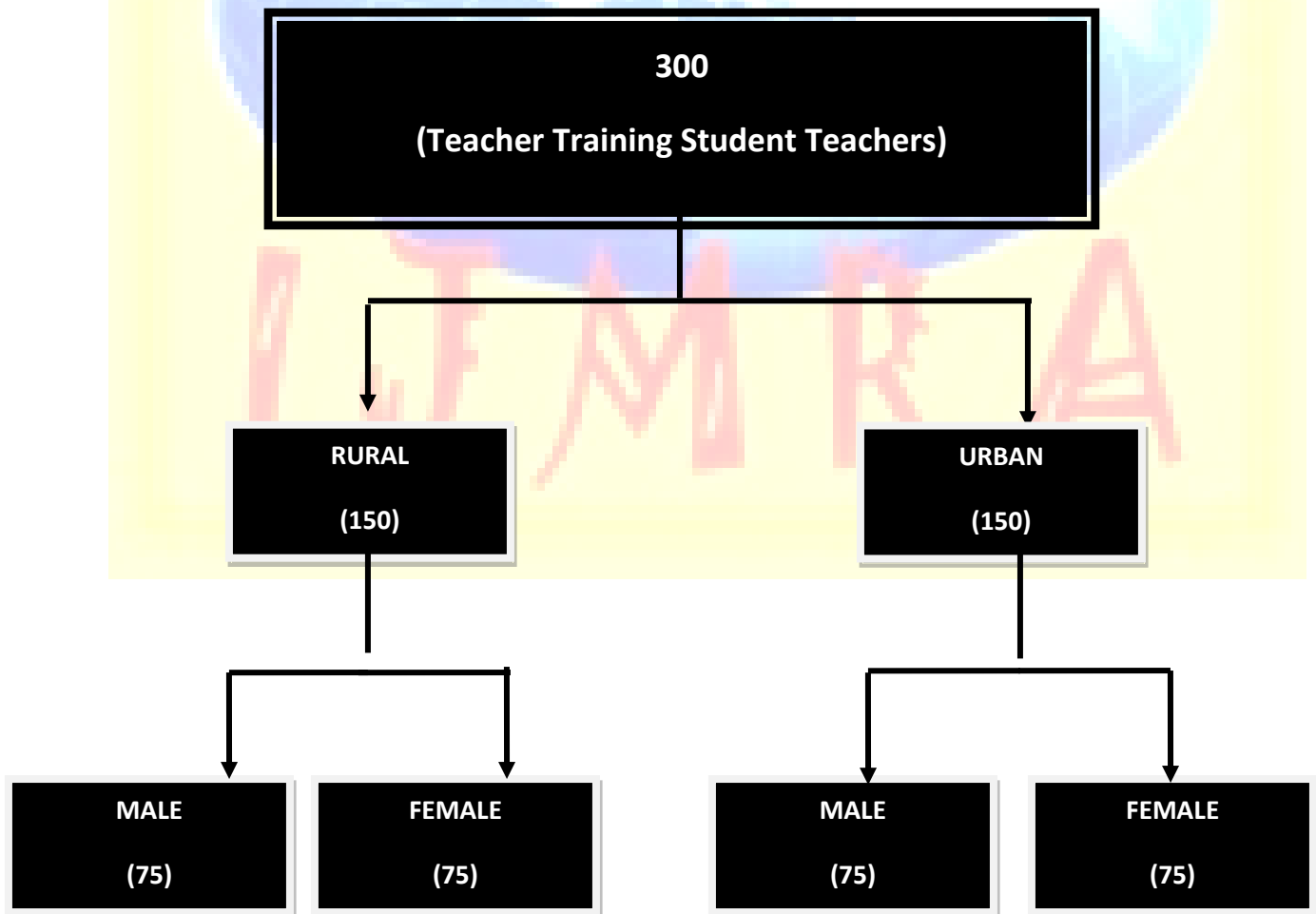
The investigator contacted the heads of the Institutions for getting permission to administrator. The research tools with help of introduction given by our College of Education. Then he prepared a scheme to choose the sample and administrator the research tools. The investigator randomly selected seven Teacher Training Institutes.

## DELIMITATION

The study is restricted to only 300 teacher trainees from 8 teacher training institutes in Tiruchirapalli area with limited variables and dimensions.

## STRATIFICATION

The data has been collected randomly based on the Stratification given below.



**STATISTICAL TECHNIQUE**

For testing stated hypotheses the following statistical technique are adopted.

- Arithmetic mean.
- Standard deviation.
- T-test.
- Chi square analysis.
- Pearson product moment analysis.

**FINDINGS**

**Table 1**

**Level of environmental awareness of teacher trainees in teacher training institutes in Trichy and its dimensions**

Dimensions	N	Low		Average		High	
		N	%	N	%	N	%
Pollution	300	106	35.3	114	<b>38.0*</b>	80	26.7
Population	300	82	27.3	107	35.7	111	<b>37.0*</b>
Health & Hygiene	300	89	29.7	81	27.0	130	<b>43.3*</b>
Biodiversity	300	139	46.3	-	-	161	<b>53.7*</b>
Energy	300	102	34.0	114	<b>38.0*</b>	84	28.0
Concern	300	162	<b>54.0*</b>	-	-	138	46.0
Sustainable Devt.	300	147	49.0	-	-	153	<b>51.0*</b>
Total	300	82	27.3	129	<b>43.0*</b>	89	29.7

*The level of environmental awareness of teacher trainees in teacher training institutes in Trichy and its dimensions is average.*

*\* indicates level of environmental awareness*

**Table 2**

Level of participation in extension activities of teacher trainees in teacher training institutes in Trichy

Variable	N	Average		High	
		N	%	N	%
Extension Activities	300	174	58.0*	126	42.0

*The level of participation in extension activities of teacher trainees in teacher training institutes in Trichy is average.*

*\* indicates level of participation in extension activities*

**Table 3**

Level of environmental awareness of teacher trainees in teacher training institutes in Trichy with regard to their gender

Gender	N	Low		Average		High	
		N	%	N	%	N	%
Male	25	6	24.0	12	48.0*	7	28.0
Female	275	75	27.3	117	42.5*	83	30.2

*The level of environmental awareness of teacher trainees in teacher training institutes in Trichy with regard to their gender is average.*

*\* indicates level of environmental awareness*

**Table 4**

Difference in environmental awareness of teacher trainees in teacher training institutes in Trichy with regard to their gender

Dimensions	Male			Female			Calculated t value	Table t value	Result
	N	Mean	S.D	N	Mean	S.D			
Pollution	25	7.24	1.690	275	7.21	1.693	0.09	1.96	NS
Population	25	8.84	2.135	275	8.40	2.252	0.94	1.96	NS

Health & Hygiene	25	4.44	1.557	275	4.20	1.472	0.77	1.96	NS
Biodiversity	25	1.64	0.952	275	1.54	0.811	0.57	1.96	NS
Energy	25	3.80	1.683	275	4.34	1.738	1.48	1.96	NS
Concern	25	1.20	0.866	275	1.47	1.030	1.28	1.96	NS
Sustainable Devt.	25	1.68	0.690	275	1.46	0.750	1.42	1.96	NS
Total	25	28.84	5.942	275	28.60	6.004	0.19	1.96	NS

*S – Significant NS – Not Significant*

*There is no significant difference in environmental awareness of teacher trainees in teacher training institutes in Trichy with regard to their gender.*

As the *calculated t value is less than the table value* (1.96) at 5% level of significance at 298 degrees of freedom for all the dimensions and the total environmental awareness of teacher trainee, the stated null hypothesis is **accepted**.

## RECOMMENDATIONS

From the light of the findings of the present study, the investigator would like to recommend the following.

- It is very essential to bring environmental education to make awareness of environmental concerns and legislations to the teacher training students.
- Seminars, workshops, debates, booster programs, interactive programmes, organizing may be conduct about environmental awareness of the teacher training students.
- Camp activities like cleaning; planting trees, making awareness to urban and illiterate people through teacher trainees will increase aptitude and attitude towards environment.



- The knowledge of global warming, environmental legislations, hygiene and pollution may be given to the teacher trainees through different means.
- World earth day, world population day, world wild life day may be conducted in teacher trainees.

### **SUGGESTIONS FOR FURTHER RESEARCH:**

The investigator would like to suggest the following topics for further researchers

- The similar study can be conducted at the higher secondary and different college levels
- The same study may be undertaken with other sample, more dimensions and variables
- Studies may be done to find out the attitude of environmental awareness in high school in relation to their achievement in science can be conducted
- Studies may be done to find out the attitude of environmental awareness in college students in relation to their co-curricular activities can be conducted

### **CONCLUSION:**

On the completion of this present study the investigator has been prompted to conclude that the independent variable and the background variables included the present study are to be developed for the welfare of the teacher training students. Therefore, the investigator feels that on the compulsion of the proposed topics of research given here, valid information may be obtained with regard to environmental awareness.

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