



# Construction and Validation of Social Role of Prospective Teachers Scale

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## ABSTRACT

There has always been a strong interaction between humans and environment. Man is a part of nature and his survival is very much dependent on the environment he lives in. The increasing human demands have been exerting great pressure on natural resources resulting in environmental degradation. Humans have created an imbalance in the environment by their haphazard exploitation to fulfil their needs. The very existence of life on earth is endangered if environmental pollution keeps on increasing at the present rate. Green house effect is also a reason for this exploitation of the environment. It should be reduced so that the future generation has a greener planet to live upon. The future generation has to be imparted with knowledge which will help in the preservation of the environment. The teacher's role becomes much bigger as the present generation of children are in the hands of the teacher who molds them into wiser human beings. Similarly, it is very important to study how the teachers look into the environmental protection and carry forward the values of protecting the environment to the students. This paper focuses on the construction and validation of the social role of prospective teachers Scale towards environmental protection.

**Keywords:** Construction, Validation, Social Role, Prospective Teachers.

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## Introduction

There is now a general acceptance that there are a series of major global environmental problems. The problems include global warming, greenhouse effect, damage to the ozone layer, deforestation, particularly of the tropical rain forest, acid rain, soil erosion, desertification and the threat to endangered species of plants and animals. Each of these global problems are characterized by their scale and complexity, their interdependence, the threat that they pose to the planet and the fact that they require international co-operation to tackle them. There is a vital need to bring awareness amongst the people so as to help them acquire an awareness of and sensitivity to the total environment and its allied problems. Bringing awareness among the people will help in reducing the global threats. Teachers are considered to be one of the powerful tools that can influence the society for a better change.

## Statement of the Problem

The investigator has selected the present study with the aim of establishing the reliability and validity of the tool 'Social Role of Prospective Teachers'. Therefore, it has been entitled as "Construction and Validation of Social Role of Prospective Teachers Scale".

## Constructing of Social Role of Prospective Teachers Tool

Social roles are a socially defined pattern of behaviour that is expected of persons who occupy a certain social position or belong to a particular social category. Teachers' social role is also one such behaviour which influences the people in the society. So it is necessary to measure the social role of prospective teachers towards environment. A Scale on the Role of Prospective Teachers is much required to measure the social role of prospective teachers. Keeping this in mind, the investigator has constructed the tool on Social Role of Prospective Teachers.

769

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## Method and Procedure

### Participants

The participants of this present study were 100 prospective teachers from a B.Ed College in Chennai district, Tamil Nadu.

### Instrument Development

The investigator used survey method for the pilot study. The investigator constructed the Social Role of Prospective Teachers' Scale. The investigator met the students personally and clearly explained the purpose of data collection and gave assurance to them that the data collected from them are used only for research purpose. Then, the researcher briefly explained each question to the students and instructed them to put a (✓) mark for the relevant choice of items and instructed them to answer all the question without omitting any items. The scale used is the five-point scale. The tool consisted of 55 items.

### Item Writing

The Social Role of Prospective Teachers was constructed carefully after receiving guidance of experts and the guide. The items of the scale were written in both English and Tamil languages. The language used was simple and it was made sure that all the respondents will be able to answer each and every question framed. The investigator after drafting the tool, gave the tool to the experts for suggestions. The tool was then updated with the suggestions said by the guide and the experts. After carrying out the corrections, the tool was then given to the sample selected for validation.

### Scoring

The tool was constructed in a Five-Point Rating Scale with the options 'Strongly Agree', 'Agree', 'Undecided', 'Disagree' and 'Strongly Disagree'. For positive statements the scoring was given as follows.

**Table No 1:** Scoring for Positive Statements

Options	Scoring
Strongly Agree	5
Agree	4
Undecided	3
Disagree	2
Strongly Disagree	1

For negative statements the scoring was given as follows.

**Table No 2:** Scoring for Negative Statements

Options	Scoring
Strongly Agree	1
Agree	2
Undecided	3
Disagree	4
Strongly Disagree	5

## Results

The item-wise - corrected item-total correlation was calculated with the collected data scores. Most items, which most prospective teachers did not attempt, were modified to ensure simplicity, clarity and unnecessary items were deleted. Five items were deleted out of 55 items, 50 were retained, and the scale was finalized.

**Table No 3:** Item Wise Corrected Item Total Correlation

Item No	'r' Value	Remark
1	0.853	Selected
2	0.852	Selected
3	0.850	Selected
4	0.850	Selected
5	0.848	Selected
6	0.363	<b>Not Selected</b>
7	0.849	Selected
8	0.848	Selected
9	0.850	Selected
10	0.851	Selected
11	0.848	Selected
12	0.855	Selected
13	0.847	Selected
14	0.859	Selected
15	0.851	Selected
16	0.844	Selected
17	0.850	Selected
18	0.347	<b>Not Selected</b>
19	0.865	Selected
20	0.847	Selected
21	0.845	Selected
22	0.348	<b>Not Selected</b>
23	0.852	Selected
24	0.850	Selected
25	0.858	Selected
26	0.850	Selected
27	0.252	<b>Not Selected</b>
28	0.845	Selected
29	0.846	Selected
30	0.847	Selected



31	0.852	Selected
32	0.856	Selected
33	0.857	Selected
34	0.844	Selected
35	0.851	Selected
36	0.854	Selected
37	0.849	Selected
38	0.351	<b>Not Selected</b>
39	0.857	Selected
40	0.862	Selected
41	0.845	Selected
42	0.845	Selected
43	0.846	Selected
44	0.847	Selected
45	0.844	Selected
46	0.847	Selected
47	0.848	Selected
48	0.845	Selected
49	0.846	Selected
50	0.847	Selected
51	0.847	Selected
52	0.846	Selected
53	0.848	Selected
54	0.845	Selected
55	0.845	Selected

### Validity

The items were written with suitable instructions to the prospective teachers to make it easier to answer and facilitate scoring. The items, thus pooled, were scrutinized by the investigator in consultation with education experts. The test items were modified according to the suggestions given by the experts in the field of Education. It ensures the Content Validity of the tool.

### Reliability

The reliability of the tool was recognized using Cronbach’s alpha method. It is a reliability test conducted using SPSS to measure the measuring instrument’s reliability (Questionnaire). The reliability value is 0.849.

**Table No 4:** Reliability Value of Social Role of Prospective Teachers Scale

Scale	Statements	Formula	Reliability Value
Social Role of Prospective Teachers Scale	50	Cronbach’s Alpha	0.849

### Conclusion

The present study was conducted to develop and validate the Social Role of Prospective Teachers Scale. The results of the item wise corrected item total correlation, validity and reliability indicates that the present instrument is capable to measure the social role of prospective teachers. Thus, the tool was constructed and validated.

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