



A STUDY OF ENVIRONMENTAL AWARENESS OF POLYTECHNIC STUDENTS IN TERMS OF EMOTIONAL INTELLIGENCE IN THIRUVALLUR DISTRICT

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Abstract

This research article comparatively examines environmental awareness of polytechnic students in terms of emotional intelligence to identify the significant difference in the research variables and in their dimensions. For this purpose 394 samples (students of both sex various management colleges were selected in Thiruvallur district) by adopting the random sampling technique. Administering the Emotional Intelligence Scale constructed (standardized) by the investigator was considered to conduct this study. The data collected from the tool was subjected to various statistical analyses. The results of the analysis were presented in the form of tables and interpreted appropriately to arrive at logical findings and conclusions. Few demographic variables brought slight differences in research variables. However the author found Birth Order, Type of Family, College Management and Entry level brought slight differences in Emotional Intelligence. Polytechnic students having birth order of First Born from Joint Family who study in Government Aided colleges had significant influence in bringing Environmental Awareness in term of Emotional Intelligence whereas polytechnic students who enter into Government Aided colleges with Lateral Entry level have had better Social Awareness..

Keywords: *Environmental Awareness, Emotional Intelligence, Self Awareness, Self Management*



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Introduction

The investigator wanted to study self / social awareness of polytechnic students towards environment and aimed to finding out whether Polytechnic students had adequate emotional intelligence or not. Emotional intelligence (EQ) is the ability to identify, use, understand, and manage emotions in positive ways to relieve stress, communicate effectively, empathize with others, overcome challenges, and defuse conflict. Emotional intelligence impacts many different aspects of our daily life, such as the way you behave and the way you interact with others. If you have high emotional intelligence you are able to recognize your own emotional state and the emotional states of others, and engage with people in a way that draws them to you. You can use this understanding of emotions to relate better to other people, form healthier relationships, achieve greater success at work, and lead a more fulfilling life. A tool and sample were selected, and then data were collected then analysed.

Hypothesis were formulated and tested with the help of statistical techniques. Based on the data analysis and hypotheses testing a number of findings were found out. There are different disciplines of study in this world. Every day each discipline is growing by the input of different resourceful persons from all over the world.

Need for the study

Man has to tackle his environment every day to his survival and prosperity. It is very necessary to know about several features of natural environment which affects man's food supply, health and recreation. Environment is a source of happiness to man and his happiness will be heightened if he learns to love and appreciate nature. Since he is a social animal there is the need to understand the social environment also. Industrial revolution urbanization and modernization urge the man kind to destroy his source ending. If this situation prolongs definite it is not possible to get a even a drop of unpolluted water a pinch unpolluted sand and a few amount of unpolluted air. There fore proper understanding of the environment in which the man lives is inevitable. Since the under graduate course is the turning point of the present educational system in our country it needs special attention. Though the policy makers have incorporated environmental aspect in the Polytechnic curriculum but the present examination oriented teaching learning process are not enabling the youth to understand the environmental aspects directly affecting his life so owe are in the need of developing strategies which can improve the existing knowledge of the environment. This urges us first to measure what he knows, what his knowledge about the environment so that we can achieve the goals in a cost effective manner. Hence it was proposed to probe the existing environmental knowledge of the Polytechnic students. As we know, it's not the smartest people that are the most successful or the most fulfilled in life. You probably know people who are academically brilliant and yet are socially inept and unsuccessful at work or in their personal relationships. Intellectual intelligence (IQ) isn't enough on its own to be successful in life. Yes, your IQ can help you get into college, but it's your EQ that will help you manage the stress and emotions when facing your final exams.

Statement of the problem

The problem selected for the study is stated as, "A Study of Environmental Awareness of Polytechnic Students in terms of Emotional Intelligence in Thiruvallur District"

Objectives of the study

The following are the objectives of the study.

1. To study whether there is any significant difference between mean scores of Emotional Intelligence with respect to male and female students in polytechnic colleges.
2. To study whether there is any significant difference between mean scores of Emotional Intelligence with respect to Tamil and English medium students in polytechnic colleges.
3. To study whether there is any significant difference between mean scores of Emotional Intelligence with respect to subject group of students in polytechnic colleges.
4. To study whether there is any significant difference between mean scores of Emotional Intelligence with respect to normal and lateral entry students in polytechnic colleges.
5. To study whether there is any significant difference between mean scores of Emotional Intelligence with respect to management of polytechnic colleges.
6. To study whether there is any significant difference between mean scores of Emotional Intelligence with respect to rural and urban students in polytechnic colleges.
7. To study whether there is any significant difference between mean scores of Emotional Intelligence with respect to birth order of students in polytechnic colleges.
8. To study whether there is any significant difference between mean scores of Emotional Intelligence with respect to Parents Qualification of students in polytechnic colleges.
9. To study whether there is any significant difference between mean scores of Emotional Intelligence with respect to type of family of students in polytechnic colleges.
10. To study whether there is any significant difference between mean scores of Emotional Intelligence with respect to family income of students in polytechnic colleges.
11. To study the emotional intelligence of polytechnic students towards environment in Thiruvallur district.

Hypotheses

The following are the hypothesis of the present study.

1. There is no significant difference in the emotional intelligence of polytechnic students towards environment with respect to male and female students.
2. There is no significant difference in the emotional intelligence of polytechnic students towards environment with respect to Tamil and English medium students.
3. There is no significant difference in the emotional intelligence of polytechnic students towards environment with respect to subject group of students.
4. There is no significant difference in the emotional intelligence of polytechnic students towards environment with respect to normal and lateral entry students.

5. There is no significant difference in the emotional intelligence of polytechnic students towards environment with respect to management of polytechnic college.
6. There is no significant difference in the emotional intelligence of polytechnic students towards environment with respect to rural and urban students.
7. There is no significant difference in the emotional intelligence of polytechnic students towards environment with respect to birth order.
8. There is no significant difference in the emotional intelligence of polytechnic students towards environment with respect to type of parents qualification.
9. There is no significant difference in the emotional intelligence of polytechnic students towards environment with respect to type of family of students.
10. There is no significant difference in the emotional intelligence of polytechnic students towards environment with respect to family income of students.
11. There is no significant difference in the emotional intelligence of polytechnic students towards environment in Thiruvallur district.

Method of Study

The investigator followed the 'survey' method for the present study. The tool in the form questionnaire was constructed, standardized and administered to the Polytechnic students in Thiruvallur district, Tamil Nadu.

Sample

Random sampling techniques were adopted for the present study. The investigator decided to collect data from the polytechnic students in Thiruvallur district. The study has been used on a random sample of 394 students in various polytechnic colleges.

Tool used

Effectiveness of evaluation largely depends upon the accuracy of measurement. Accuracy of measurement in turn depends on the precision of the instrument. The tool is of many types. The investigator had selected the questionnaire form. The tool has 48 items. Each item in the form of five point scale type question. The correct response of every item carries score of four. The tool is divided into four dimensions as Self Awareness, Self Management, Social Awareness and Social Management comprising 12 items respectively. In order to establish reliability for the tool Emotional Intelligence Rating Scale, Cronbach Alpha Coefficient was calculated. It was calculated to be **0.919** The intrinsic Validity Coefficient was established by taking square root of reliability coefficient,

which is equal to **0.958**. Thus, from the two coefficients, it may be inferred that the tool is highly reliable and valid.

Statistical Techniques applied

Statistical techniques serve the fundamental purpose of the description and inferential analysis. The following statistical technique were used in the study. Descriptive Analysis, Differential Analysis and Correlation Analysis.

Findings of the Study

Findings based on Descriptive and Differential analysis of the data related to Overall Emotional Intelligence.

1. Environmental awareness in terms of Emotional Intelligence of Polytechnic students is adequate.
2. The Mean and Standard Deviation of Overall Emotional Intelligence of polytechnic students were 145.99 and 20.832 respectively.
3. Male and Female polytechnic students did not differ significantly in Overall Emotional Intelligence but differed significantly in three of four dimensions viz., Self Awareness, Self Management, Social Awareness.
4. Normal and Lateral entry polytechnic students did not differ significantly in Overall Emotional Intelligence but differed significantly in three of four dimensions viz., Self Awareness, Social Awareness and Social Management.
5. Polytechnic students from Rural and Urban did not differ significantly in Overall Emotional Intelligence even in four dimensions viz., Self Awareness, Self Management, Social Awareness and Social Management.
6. Polytechnic students from Nuclear and Joint family differed significantly in Overall Emotional Intelligence at 0.05 level where students from Joint family are better than Nuclear family. They also differed significantly in three of four dimensions viz., Self Awareness, Self Management, Social Management.
7. The polytechnic students of following Management namely Government aided, Self Finance and Self Finance Minority differed significantly in Overall Emotional Intelligence at 0.05 level where students from Government Aided management are better than other two group. They also differed significantly in two of four dimensions namely Self Awareness and Social Awareness.
8. Further analysis of differences between the individual groups based on different Management tested through Tukey-HSD revealed that, in Overall Emotional Intelligence

students related with Government Aided and Self Finance differed significantly at 0.05 level where students related with Government Aided are better than Self Finance management. In Self Awareness, students related with Government Aided and Self Finance differed significantly at 0.05 level where students related with Government Aided are better than Self Finance management. In Social Awareness, students related with Government Aided and Self Finance differed significantly at 0.05 level where students related with Government Aided are better than Self Finance management.

9. The students of following parents having educational qualification groups namely No School, School completed, Higher education in Technical Studies and Higher education in Non-Technical studies did not differ significantly in Overall Emotional Intelligence also did not differ significantly in its four dimensions.
10. The polytechnic students with different levels of Birth Order namely First Born, Middle Born and Last Born differed significantly at 0.05 level in Overall Emotional Intelligence where First Born students are better than other two groups. They also differed significantly in two of its four dimensions namely Self Awareness and Self Management at 0.01 level and 0.05 level respectively.
11. Further analysis of differences between the individual groups based on Birth Order of polytechnic students tested through Tukey-HSD revealed that, in Overall Emotional Intelligence students related with First Born and Middle Born also students related with First Born and Last Born differed significantly at 0.05 level where students related with First Born are better than other two groups. In Self Awareness students related with First Born and Middle Born also students related with First Born and Last Born differed significantly at 0.05 level where students related with First Born are better than other two groups. In Self Management students related with First Born and Middle Born also students related with First Born and Last Born differed significantly at 0.05 level where students related with First Born are better than other two groups.
12. The polytechnic students of following study groups namely Civil, Mechanical, Electrical & Electronics and Automobile Engineering did not differ significantly in Overall Emotional Intelligence also did not differ significantly in its four dimensions.
13. The polytechnic students of following monthly income of family groups namely < IRS 10000, between IRS 10000-20000, between IRS 20000-30000 and above IRS 30000 did not differ significantly in Overall Emotional Intelligence also did not differ significantly in its four dimensions.

Findings based on Correlation Analysis of the data related to Overall Emotional Intelligence

14. It is found that the correlation between the dimensions of Overall Emotional Intelligence was significant at 0.01 level and also seen that the four inter correlation were positive which ranged from 0.195 to 0.773

CONCLUSION

It may be concluded that on the basis of findings, the polytechnic students have had better Self Awareness, Self Management and good Social Management. Birth Order, Type of Family, College Management and Entry level brought slight differences in Emotional Intelligence. Polytechnic students having birth order of First Born from Joint Family who study in Government Aided colleges had significant influence in bringing Environmental Awareness in term of Emotional Intelligence whereas polytechnic students who enter into Government Aided colleges with Lateral Entry level have had better Social Awareness.

9 EDUCATIONAL IMPLICATION OF THE STUDY

Only through education, a person attains holistic development. The research has focused on the importance of Environmental Awareness in polytechnic students' education related with Emotional Intelligence. Findings of the present investigation are important for improving the standard of awareness programmes as well as the sustainable development.

In recent years, however, more research has been conducted with secondary and higher secondary students and their families. This research shows that the relationship between self and social remains very beneficial in promoting environmental awareness.

Recommendations

The Polytechnic colleges must provide awareness programmes on environment to the students. The suggested recommendations of the present study are as follows.

1. The Polytechnic colleges should arrange visit to factory with ISO and its surroundings so that they may get first hand experience.
2. The institutions must arrange group discussions and panel discussion with experts and social activists.
3. Exhibitions may be arranged in which the study of environment should be given weightage.
4. Student should read a lot of books on environment. Enough books on environment should be kept available in library.

Suggestions for Further Research

1. A study on environmental awareness of students from various standards can be conducted.
2. A study on different types of pollution can be done.
3. A study on environmental awareness of teachers at different levels can be conducted.
4. A study on environmental awareness of parents belonging to urban and rural areas can be conducted.
5. The content of the environmental education in the text – books can be analyzed.
6. The investigation can be carried out at different districts level.
7. A study on the relationship between knowledge and awareness on environment can be conducted.
8. The present study may be carried out with higher secondary students who belong to other states.
9. The study may be done among the teachers, professionals, businessmen, agriculturalist and laborers.
10. Self learning materials may be prepared for further studies along with the questionnaire in order to create awareness of environment

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Table 1.0 DISTRIBUTION OF THE SAMPLES

Personal Variables	Categories	Frequency
Gender	Male	190
	Female	204
Subject	Civil	124
	Mechanical	101
	Ele & Elect	89
	Auto Mobile	80
	Entry	224
Management	Normal	170
	Govt. Aided	111
	Self Finance	149
Locale	SF - Minority	134
	Rural	155
	Urban	239
Birth Order	First	62
	Middle	70
	Last	262
Educational Qualification	No skl	105
	Skl	116
	Tech	85
	Non Tech	88
Family	Nulcear	173
	Joint	221
Family Income p.m (IRS)	<= 10,000	140
	10,001 to 20,000	137
	20,001 to 30,000	105

>30,000	12
Total	394

Table 2.0: CORRELATION ANALYSIS

	Self Awareness	Self Management	Social Awareness	Social Management	Total Emotional Intelligence
Self Awareness	1	0.726**	0.195**	0.433**	0.773**
Self Management	0.726**	1	0.233**	0.711**	0.860**
Social Awareness	0.195**	0.233**	1	0.773**	0.651**
Social Management	0.433**	0.711**	0.773**	1	0.895**
Total Emotional Intelligence	0.773**	0.860**	0.651**	0.895**	1