



Development and Try-out of Computer Assisted Learning on Thiruvalluvar

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Abstract

The purpose of this research was to develop the Computer Assisted Learning programme on Thiruvalluvar and tryout it on trainees of Education College. The researcher has been teaching this unit to trainees for a long time. The Computer Assisted Learning programme was prepared by reading many books on this unit. It was tryout on 49 trainees who were the trainees of college of Teacher Education where the researcher has been teaching for 15 years. One day workshop was arranged to experiment the Computer Assisted Learning programme. Pre test was given in the first session to check the previous knowledge, than the Computer Assisted Learning programme which was developed by the researcher on Thiruvalluvar was given for the study. The researcher was the facilitator during the workshop. The post test was given to the trainees in the last session to know the learning outcomes. It was experimental research and Single group pre-test post-test design was used. It was found in the result that the average score of pre test was 05.16 and the average score of post test was 43.35. There was significance difference between the mean score of pre-test and post-test. It clearly indicated that Computer Assisted Learning programme which was developed on Thiruvalluvar was effective.

Key Words: Computer Assisted Learning, Thiruvalluvar

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Introduction

The trainees were taught the unit Thiruvalluvar in the education college. One thing was noticed from the previous researches that in today's computer age, students prefer to study with the help of computers rather than books. So CAL material is developed on this unit, it will be easier for the trainees. This is the reason why researcher decided to develop the Computer Assisted Learning Programme on Thiruvalluvar. The principal gave permission to arrange work shop to implement the Computer Assisted Learning Programme and the trainees were also curious to know about Thiruvalluvar. This research was the result of systematic effort which was done on that direction.

Objectives:

1. To develop the Computer Assisted Learning Programme on Thiruvalluvar
2. To tryout the Computer Assisted Learning Programme on Thiruvalluvar and to study its effectiveness.

Hypothesis:

There will be no significance difference between mean score of pre-test and post-test on Computer Assisted Learning Programme on Thiruvalluvar which will given to the trainees of Teacher Education College.

Review of Literature

The Research work which was done on Computer Assisted Learning Programme was reviewed to give the final touch to this study. The researcher reviewed many research

reports: Hegde (2014), Basu(1973), Barad(2010), Bharathi(2011), Desai(2004), Joel(2004), You-Jin(2009), Khirwadkar(1998), Leonard(1999), Naik(2003), Panchal(2007), Patel(2006), Patel(2008), Rothman(2000), Sonvane(2004) and Gohil(2020) in which were Computer Assisted Learning was developed and tried out. Based on these previous researches, it was easy to outline the research design. This study also helped a lot in the development of Computer Assisted Learning Programme on Thiruvalluvar.

Research Design:

It was experimental research and a single group pre-test post-test experimental design was used in it.

Sample:

The sample was purposive. 49 trainees of College of Teacher Education was the sample of this research.

Tools:

1. Computer Assisted Learning Programme on Thiruvalluvar

Computer Assisted Learning Programme on Thiruvalluvar was developed. The CAL programme was in DVDs form. It was self made tool.

2. Test

a. The teacher made test which were used in pre test and post test was developed to know the trainees' achievement score on Thiruvalluvar.

b. There were 50 multiple choice questions which contained 50 marks in the test. The test which was developed to know the trainees' achievement score on Thiruvalluvar was used in pre test and post test.

Research Design

Step	Sessions detail	Time
1	Pre-Test	45 Minutes
2	Implementation of Computer Assisted Learning Programme Computer Assisted Learning Programme which was developed on Thiruvalluvar was given to the trainees for study. The researcher was facilitator during the sessions.	4 hr.
3	Post test	45 Minutes

Data Collection:

The pre test was given to the trainees in the first session of the work shop to know their previous knowledge regarding Thiruvalluvar. After that Computer Assisted Learning Programme was given. Four hours were given to the trainees to study and discuss the Computer Assisted Learning. The researcher was facilitator during this time. The post test was given in the last session. The trainees responses were recorded in answer sheets which were examined properly and marks were given them according to their answers. The researcher collected the research data in this way.

Data Analysis:

The collected research data was statistically analysed. The statistical function Mean, Standard Deviation and T-test were used for data analysis.

	Number of trainees	Mean	S.D.	T-test
Pre- Test	49	05.16	0.97	Significant at 0.01 level
Post- Test	49	43.35	3.84	

It was found in the result that the mean score of pre test was 05.16 and the mean score of post test was 43.35. The difference between the mean score of pre test and post test was 38.19. It

clearly indicated that printed Computer Assisted Learning Programme which was developed on Thiruvalluvar was effective.

Discussion:

This study proved that the Computer Assisted Learning Programme which was developed on Thiruvalluvar was effective. This study will be helpful to those teachers who are interested in developing Computer Assisted Learning Programme. It will be also helpful to the learners who want to know about Thiruvalluvar.

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