



Development and Tryout of E-Content on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar

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ABSTRACT

The researcher has been teaching Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar's work and philosophy to the trainees for a long time. The purpose of this research was to develop the E-Content on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar and tryout it on trainees of Education College. The E-Content was prepared by reading 84 books on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar's work and philosophy. It was tryout on 53 trainees who were the trainees of college of Teacher Education where the researcher has been teaching for 15 years. Four days workshop was arranged to experiment the E-Content. Pre test was given in the first session to check the previous knowledge, than the E-Content which was developed by the researcher on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar was given for the study. The researcher was the facilitator during the work shop. 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 04.12 and the average score of post test was 39.23. There was significance difference between the mean score of pre-test and post-test. It clearly indicated that E-Content which was developed on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar was effective.

Introduction

The trainees were taught the unit Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar in the education college by the researcher. In today's computer age, students prefer to study with the help of computers rather than books. One thing was noticed from the previous researches that if E-Content is developed on this unit, it will be easier for the trainees. So it was decided to develop E-Content on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar. The principal gave permission to arrange work shop to implement the E-Content and the trainees were also curious to know about Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar. This research was the result of systematic effort which was done on that direction.

Objectives

1. To develop the E-Content on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar
2. To tryout the E-Content on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar and to study its effectiveness.

Hypothesis

There will be no significance difference between mean score of pre-test and post-test on E-Content on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar.

Review of Literature

The Research work which was done on E-Content 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 E-Content 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 E-Content on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar.

Research Design

It was experimental research and the research design was single group pre-test post-test experimental design.

Sample

The sample was purposive. 53 trainees of College of Teacher Education was the sample of this research.

Tools**1. E-Content**

E-Content on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar was developed. The E-Content 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 Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar.
- 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 Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar was used in pre test and post test.

Research Design

Step	Sessions detail	Time
1	Pre-Test	45 Minutes
2	Implementation of E-Content E-Content which was developed on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar was given to the trainees for study. The researcher was facilitator during the sessions.	16 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 Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar. After that E-Content was given. 16 hours were given to the trainees to study and discuss the E-Content. 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	53	04.12	0.67	Significant at 0.01 level
Post- Test	53	39.23	3.98	

It was found in the result that the mean score of pre test was 04.12 and the mean score of post test was 39.23. The difference between the mean score of pre test and post test was 35.11. It clearly indicated that E-Content which was developed on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar was effective.

Discussion

This study proved that the E-Content which was developed on Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar was effective. This study will helpful to those teachers who are interested in developing E-Content. It will be also helpful to the learners who want to know about Raja Rammohan Ray, Dayanand Saraswati, Thiruvalluvar and Sant Gyaneshwar.

Reference

1. Ashmic Hegde, K (2014). *Development and Validation of Computer Based Multimedia Packages for Teaching Biological Science and its Effect on Learning Among Secondary School Students*. 280 Karnatak University, Dharwad.
2. Basu, M. K. (1973). *Effectiveness of Multimedia Programmed Materials in the Teaching of Physics*. New Delhi: In M.B. Buch (Ed.)Second Survey of Research in Education, NCERT.
3. Barad, S.A. (2010). *Effectiveness of E-Content for Science Teaching in Urban Area*. Research Analysis and Evaluation, 2010, 1(12), 19-21.
4. Bharathi Y. K. (2011). *Development of E-Contental Material for Remedial Measures in Geometry*. Karnatak University, Dharwad
5. Desai, B.Y. (2004). *A Comparative Study of the Efficacy of Teaching through the Traditional Method and the Multimedia Approach in the Subject of Home Science*. A PhD. Thesis. South Gujarat University, Surat
6. Joel K. K. et al. (2004). *Effectiveness of a Computer-Mediated Simulations Program in School Biology on Pupils' Learning Outcomes in Cell Theory*. Journal of Science Education and Technology, 13 (2).
7. You-Jin Seo. (2009). *Analysis of Studies of the Effects of Computer-Assisted Instruction on the Mathematics Performance of Students with Learning Disabilities*. Computers and Education Archive, 53, (3), Elsevier Science Ltd. Oxford
8. Gohil, N.P. (2020). *Development and Tryout of E-content on Gandhiji's Educational Contribution*. C.T.E. Publication, Surat.
9. Kariya, L.H. (2001). *Effectiveness of E-Content as a Self Learning Strategy*. Abstract of Educational Research (1978-2006). Rajkot : Saurashtra University.
10. Khirwadkar, A. (1998). *Development of Computer Software for Learning Chemistry at Standard-11*. An unpublished PH.D. thesis, Vadodara : CASE, The M.S. University of Baroda.

11. Leonard, J. K.(1999). *Effect of Traditional Vs Contract Activity Packaged and Programmed Learning Sequenced Instruction on the sort and long term Achievement and Attitudes of seventh & eighth grade general music students*. Dissertation Abstracts International. 63,1,1999.
12. Naik, D. H. (2003). *Development and Tryout of Computer Based Multimedia Package for Computer Based Learning*. An unpublished Ph. D. thesis, Rajkot: Saurashtra University.
13. Panchal, G.A.(2007). *Development and tryout of E-Contents and English Subject on the Unit of Active and Passive voice for the Students of Standard-11*. Unpublished Ph.D. Thesis, Surat : Veer Narmad South Gujrat University.
14. Patel, (2006). *Developing and trying out of Multimedia Package in the Subject of Economics at Higher Secondary Level*. Unpublished thesis of Veer Narmad South Gujarat University, Surat.
15. Patel, K.B. (2008). *Computer Assisted Insruction in Physics for the Students of Class XI : An Experimental Study*. Indian Educational Abstracts, Vol, 8, 1, p 49.
16. Rothman, Alan H. (2000). *The Impact of Computer Based Versus 'Traditional' Textbook Science Instruction on selected Student Learning Outcomes. (Temple University)*. In : Dissertation Abstracts International, 61, 3. September, 2000. p.938-A.
17. Sonvane, J. R. (2004). *Evolving a Multimedia Package Based on Learning without Burden in the Subject of Sanskrit for Standard-5*. Unpublished thesis of South Gujarat University, Surat.