

**EFFECTIVENESS OF CARTOON AND COMIC
BASED MULTIMEDIA PACKAGE FOR TEACHING
ENVIRONMENT TO PRIMARY
SCHOOL STUDENTS**

*A Thesis
Submitted to
The Maharaja Sayajirao University of
Baroda, Vadodara
for the Degree of*

Doctor of Philosophy
*in
Education*

GUIDE

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DEPARTMENT OF EDUCATION
FACULTY OF EDUCATION AND PSYCHOLOGY
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
VADODARA, GUJARAT- 390 002**

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Dedicated
To
The Almighty God,
All my teachers and family members for
their
contribution in nurturing me.
Whatever I am at present, is because of
their gracious
and supportive hands on my head



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CERTIFICATE

This is to certify that the thesis entitled 'Effectiveness of Cartoon and Comic Based Multimedia Package for Teaching Environment to Primary School Students' submitted by Sonal S. Kaptan is a record of research work carried out by her for the Degree of Doctor of Philosophy under my guidance. Also, the thesis has not formed the basis for award of any other Diploma, Degree, Fellowship or other similar titles and that the thesis represents an independent endeavour on the part of Sonal S. Kaptan, under my guidance. No portion of this thesis is a reproduction from any other source, published or unpublished without acknowledgement.

It is further stated that the doctoral research was carried out fulfilling the requisite attendance criteria as per O. Ph. D. : 3 (i) of The M. S. University of Baroda, Vadodara.

February, 2014

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Guide

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Researcher

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LIST OF ABBREVIATIONS USED

| | |
|----------------|--|
| UEE | Universalization of Elementary Education |
| UNICEF | United Nations International Children's Emergency Fund |
| MHRD | Ministry of Human Resource Development |
| DERP | District Education Revitalization Programme |
| DPEP | District Primary Education Programme |
| SCERT | State Council of Education Research and Training |
| DIET | District Institute of Education |
| NP-NSPE | National Programme of Nutritional Support to Primary Education |
| EGS | Education Guarantee Scheme |
| AIE | Alternative Innovative Education |
| MDMS | Mid-Day Meal Scheme |
| EBB | Economically Backwards Block |
| SSA | Sarva Shiksha Abhiyan |
| MSP | Mahila Samakhya Programme |
| NPEGEL | National Programme for Education of Girls at Elementary Level |
| KGBV | Kasturba Gandhi Balika Vidyalaya |
| MLL | Minimum Level of Learning |
| GCERT | Gujarat Council of Educational Research & Training |
| NPE | National Policy of Education |
| GER | Gross Enrolment Ratio |
| DISE | District Information System for Education |
| NCERT | National Council of Educational Research & Training |
| RTE | Right to Education |
| GPI | Gender Parity Index |
| ICT | Information and Communication Technology |
| CAL | Computer-Aided Learning |
| IUCN | International Union for Conservation of Nature and Natural Resources |
| GSEB | Gujarat Secondary and Higher Secondary Education Board |
| NCF | National Curriculum Framework |
| EET | Environmental Education Test |
| TUA | Tarang Ullhasmai Abhyas |
| ELT | English Language Teaching |
| ETV | Educational Television |
| CAI | Computer-Aided Instructional material |
| GOI | Government of India |
| GOG | Government of Gujarat |

LIST OF NON-ENGLISH WORDS USED AND THEIR MEANING

| Word | Language used | Meaning |
|------------------------|----------------|--|
| Mahila Samakhya | Hindi | It is the name of a national scheme for the upliftment of women and children |
| Sarva Shiksha Abhiyan | Hindi/Gujarati | Means the moment for the education of all- a programme launched by the Government of India (GOI) for achieving UEE |
| Tarang Ulhasmai Abhyas | Gujarati | Means Joyful Learning- a scheme of the Government of Gujarat (GOG) for UEE. |
| Vidhyadeep Yojana | Hindi/Gujarati | Means the plan to ignite/enlighten education- an Insurance Plan freely provided by the GOG to the school going children. |
| Shala Praveshotsav | Gujarati | Means the festival welcoming new students to school- a scheme of GOG for achieving UEE. |
| Kanya Kelavani | Gujarati | Means education for girls-a scheme of GOG for increasing girls' enrollment in the school. |
| Vidya Laxshmi Bond | Gujarati | Means a bond considering education as a wealth- a scheme of GOG encouraging girl's education. |
| Bal Bhavan | Hindi/Gujarati | Means a room for the children- a scheme of the GOI for enhancing the quality of primary education and achieving UEE. |
| Nirogi Bal | Hindi/Gujarati | Means healthy child- a Scheme of GOG for ensuring good health of primary children. |
| Gunotsav | Gujarati | Means the festival to improve the quality- a scheme of GOG for Quality improvement of primary education. |
| Phantom | English/Hindi | It is the name of an imaginary character of a super hero used in the comic magazine named Phantom. |
| Chacha Chaudhari | Hindi | It is the name of an imaginary character of a super hero called as uncle Chouchari used in the comic magazine named Chacha Chaudhari |