

**A Study of Awareness among 8th Class Students
about the Use of ICT Tools to Enhance the
Understanding of Science**

A DISSERTATION SUBMITTED TO
BARKATULLAH UNIVERSITY, BHOPAL
IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE DEGREE OF
THREE YEAR INTEGRATED B.Ed.-M.Ed.
SESSION: 2019-2022

Supervisor

Dr Sanjay Kumar Pandagale
Associate Professor in Education

Researcher

Preeti Ujjaineeya
Integrated B.Ed.-M.Ed.

D- 602



REGIONAL INSTITUTE OF EDUCATION
(National Council of Educational Research and Training)
SHYAMLH HILLS, BHOPAL- 462002, Madhya Pradesh
(NAAC Accredited A⁺ Grade Institute)

DECLARATION

I do hereby declare that the dissertation named “**A study of awareness among 8th class students about the use of ICT tools to enhance the understanding of science**”, which has been done during the academic year 2019-22 in partial fulfillment of the requirement for the degree of B.Ed- M.Ed (integrated) from Barkatullah University, Bhopal, Madhya Pradesh.

The study is conducted in guidance and supervision of **Dr. Sanjay Kumar Pandagale**, Professor of Education, Regional Institute of Education, Bhopal, Madhya Pradesh.

I declare that the research work done is original and authentic. The dissertation has not been submitted earlier by me for any degree either in Barkatullah University or any other University.

Date:

Place:


Preeti Ujjaineeya

Three Year Integrated B.Ed.-M.Ed.
Regional Institute of Education,
Bhopal

CERTIFICATE

This is to certify that **Preeti Ujjaineeya** student of 3-year Integrated B.Ed.-M.Ed. course of Regional Institute of Education, Bhopal, 2019-22 has conducted dissertation work entitled **A study of awareness among 8th class students about the use of ICT tools to enhance the understanding of science** under my supervision.

The work is genuine, reliable and worthy of submission for the award of the degree.

Date:

Place:

(Dr. Sanjay Kumar Pandagale)
Associate Professor in Education
Regional Institute of Education,
Bhopal

ACKNOWLEDGMENT

I would like to extend my sincere gratitude to my supervisor and guide **Dr. Sanjay Kumar Pandagale** for his constant support and upliftment provided during the study. I would also like to thank my co-guide **Nilima Tirkey**, Assistant Professor for her help and coordination. She was always there to help me out

I would like to thank **Dr. Ratanamala Arya**, Head, Dean of Education for allowing me to do this work.

In this queue, I would like to express my sincere thanks to **Dr. N. C. Ojha, Prof. B. Ramesh Babu** and other faculty members for their help and support.

I cannot imagine the accomplishment of this study without the persons who assisted and the students who filled out the form on this sensitive topic.

Date:

Preeti Ujjaineeya

Place:

Three Year Integrated B.Ed.-M.Ed.
Regional Institute of Education,
Bhopal

INDEX

Chapter No.	Section No.	Details of Content	Page Number
		INTRODUCTION	
CHAPTER I	1.1	Introduction	1
	1.2	Need and Significance of the study	2
	1.3	Statement of the problem	4
	1.4	Operational definition of key term	4
	1.5	Objectives of the study	4
	1.6	Research Questions	5
	1.7	Variables	5
	1.8	Hypotheses	5
	1.9	Delimitations	6
			REVIEW OF RELATED LITERATURE
CHAPTER II	2.1	Introduction	7
	2.2	Studies related to Research	7
		RESEARCH METHODOLOGY	
CHAPTER III	3.1	Introduction	10
	3.2	Research Methodology	10
	3.3	Research design	10
	3.4	Variables	11
	3.5	Population	11
	3.6	Sample	11
	3.7	Tools used	11
		DATA ANALYSIS AND INTERPRETATION	
CHAPTER IV	4.1	Introduction	13
	4.2	ICT awareness on the basis of school	13
	4.3	Difference between government and central government school	14

	4.4	Difference between government and private school	15
	4.5	Difference between central government and private school	16
		SUMMARY AND CONCLUSION	
CHAPTER V	5.1	Statement of the problem	17
	5.2	Objectives	17
	5.3	Hypotheses	17
	5.4	Summary	18
	5.5	Findings	18
	5.6	Educational implication	18
	5.7	Suggestions for future research	19
			REFERENCES
		APPENDICES	22

LIST OF TABLES

Table No.	Table Name	Page No.
4.1	Showing mean, standard deviation and t-value of state government and central government schools	14
4.2	Showing mean, standard deviation and t-value of state government and private schools	15
4.3	Showing mean, standard deviation and t-value of central government and private schools	16

LIST OF FIGURES

Figure No.	Figure Name	Page No.
4.1	Difference in mean score of central gov't, private and state gov't schools on the basis of ICT awareness	13
4.2	Percentage analysis of ICT awareness among different types schools	14

LIST OF ABBREVIATIONS

ICT – Information and Communication Technology

Gov't – Government

NEP – National Education Policy

UNESCO – United Nations Educational, Scientific and Cultural Organization

LCD – Liquid Crystal Display