

**FACTORS AFFECTING ON MATHEMATICS ACHIEVEMENT OF THARU
STUDENTS**

**A
THESIS
BY
KAMAL BAHADUR BUDHA**

**IN THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
DEGREE OF MASTER OF EDUCATION**

**SUBMITTED
TO
CENTRAL DEPARTMENT OF EDUCATION
DEPARTMENT OF MATHEMATICS EDUCATION
UNIVERSITY CAMPUS
TRIBHUVAN UNIVERSITY
KIRTIPUR, KATHMANDU**

2017

TRIBHUVAN UNIVERSITY
FACULTY OF EDUCATION
CENTRAL DEPARTMENT OF EDUCATION
DEPARTMENT OF MATHEMATICS EDUCATION
KIRTIPUR, KATHMANDU

Date:

Recommendation for Acceptance

This is to certify that Mr. Kamal Bahadur Budha has completed his Mathematics Thesis entitled “**Factor Affecting on Mathematics Achievement of Tharu Students**” under my supervision during the period prescribed the rule and regulation of Tribhuvan University, Kirtipur, Kathmandu, Nepal. I recommended and forward his thesis to the Department of Mathematics Education to organize final viva-voce.

.....

Mr. Arjun Neupane

(Supervisor)

TRIBHUVAN UNIVERSITY
FACULTY OF EDUCATION
DEPARTMENT OF MATHEMATICS EDUCATION

LETTER OF APPROVAL

Thesis Submitted

By

Kamal Bhadur Budha

Entitled

"Factors Affecting on Mathematics Achievement of Tharu Students" has been approved in partial fulfillment of the requirements for the degree of Master of Education.

Committee for the Viva-Voce

Signature

1. Assoc. Prof. Laxmi Narayan Yadav

.....

(Chairman)

2. Prof. Dr. Ramjee Prasad Pandit

.....

(External)

3. Mr. Arjun Neupane

.....

(Supervisor)

Date :-

TRIBHUVAN UNIVERSITY
FACULTY OF EDUCATION
DEPARTMENT OF MATHEMATICS EDUCATION

LETTER OF CERTIFICATE

This is to certify that Mr. Kamal Bahadur Budha, a student of academic year 2070/71 with campus roll no 83, Thesis Number 1273, exam roll no. 280432 and Regd. No 9-2-552-73-2008 has completed his thesis for the period prescribed by the rule and regulation of Tribhuvan University, Nepal. The thesis entitled, "**Factors Affecting on Mathematics Achievement of Tharu students**" has been prepared based on the result of investigation he conducted during the period of 2016/17. I, hereby, recommended that his thesis be submitted for the evolution as the partial requirements for the master degree of Education.

Date:-

.....

Assoc. Prof. Laxmi Narayan Yadav

(Head)

© 2017

Copyright by **Kamal Bahadur Budha**

This document is copyright material under law, no part
This document may be reproduced without the expressed

Permission of the researcher

Defense Date:-

All Right Reserved

DEDICATION

This work is affectionately dedicated to my father **Mr. Dil Bahadur Budha**
and mother **Mrs. Chandra Devi Budha,**
Who even in very difficult situation gave me a great span of their
Life for what I am now.

DECLARATION

This Thesis contains no materials, which have been accepted for the award of other degree in any institutions. To the best of Knowledge and belief this thesis contains no material previously published by any authors expect due acknowledgement has been made.

Date:-

.....

Kamal Bahadur Budha

ACKNOWLEDGEMENTS

I am heavily indebted to my respected supervisor Mr. Arjun Neupane, Department of Mathematics Education, Kirtipur, Kathmandu, his valuable constructive suggestions; instruction and scholarly guidance have become the greatest property of his dissertation. Without constant supervision and intellectual guidance, this would never have been appeared in this form.

My sincere appreciation goes to Assoc. Prof. Laxmi Narayan Yadav (Head), Department of Mathematics Education T.U. Kirtipur for his helpful suggestion cooperation inspiration and encouragement during this study. I express my gratitude to my respected teacher Prof. Dr. Hari Prasad Upadhyay, Prof. Dr. Ramjee Prasad Pandit, Prof. Dr. Min Bahadur Shrestha, Prof. Dr. Binod Prasad Dhakal, Dr. Bed Raj Acharya, Mr. Lok Nath Bhattari, and Mr. Krishna Parsad Adhikari for their valuable comment and suggestions.

I am also very much indebted to the samples school family of Kailali District for their co-operation and providing opportunity for collection of data. I must extend my heartily thanks to other friends Rebant Sunar and Jay Raj Nyaupane who gave me the constant inspiration and suggestions to bring this thesis complete form. I always remember office assistant Mrs. Bimala Bhattarai and Liberians for their valuable supporting during my study.

Last but not least, I wish to acknowledge my respected elder brother Krishna Bahadur Budha other relative who even under my difficult situation devoted a great span of his time in making me what I am now.

Date:-

.....

Kamal Bahadur Budha

ABSTRACT

The objectives of this study were to find out the affecting factors on low achievements of Tharu students in mathematics and to analyze the effect of the factors on mathematics achievements. The study used mixed design research (qualitative and quantitative). The researcher used the questionnaire form contained 40 statements on the basis three components: school related factors, home-related factors and personal related factors. The questionnaire administered among five-sample school community of Kailali District. The mean score and chi-square test was use to investigate the affecting factor on low achievement of Tharu student's at Kailali district.

To analyze the effect of factors on mathematics achievement, the researcher used in -depth interview and class observation note. The researcher included 10 students (7 boys and 3girls), 6 teachers, and 5 parents of Kailali District for the in-depth interview. This information was derived from in-depth interview of sample students by using qualitative and cross-match method. The researcher also observed mathematics classes as it specifically addressed the utilization of students' in-depth interview and the need to understand the problem of Tharu students on separate academic domain in research. The major findings that emerged from participants' responses included parents' education, house workloads, economic condition, prior knowledge, gender, language, school environment, teaching methods and teacher/students interaction. Besides, school administration, which managed instruction materials, teaching method as well as experienced and trained teacher that played major roles in the mathematics achievement.

TABLE OF THE CONTENTS

	Page No.
<i>Letter of Certificate</i>	<i>i</i>
<i>Letter of Approval</i>	<i>ii</i>
<i>Recommendation for acceptance</i>	<i>iii</i>
<i>Copy Right</i>	<i>iv</i>
<i>Declaration</i>	<i>v</i>
<i>Dedication</i>	<i>vi</i>
<i>Acknowledgement</i>	<i>vii</i>
<i>Abstract</i>	<i>viii</i>
<i>Table of contents</i>	<i>ix-x</i>
Chapters	
I. INTRODUCTION	1-9
Background of the Study	1
Statements of the Problem.....	5
Objectives of the Study	6
Significance of the Study.....	6
Delimitation of the Study	7
Definition of Operational Terms	7
II. REVIEW OF RELATED LITERATURES	10-18
Empirical Literature	10
Theoretical Literature	14
Conceptual Frame Work	17
III. METHODS AND PROCEDURES	19-23
Design of the Study	19

Population of the Study	20
Sample of the Study	20
Data Collection	21
Questionnaire	21
In-depth Interview	21
Classroom Observation.....	22
Reliability of Tools.....	22
Validity of Tools	22
Data Collection Procedures	23
Data Analysis Interpretation.....	23
IV. ANALYSIS AND INTERPRETATIONS	24-46
Factor Analysis.....	24
Home Related Factors.....	25
Students Related Factors.....	27
School Related Factors.....	29
The Effect of Factors on Mathematics Achievement.....	32
V. SUMMARY, FINDING, EDUCATIONAL IMPLICATION, CONCLUSION AND RECOMMENDATION	47-51
Summary of the Study	47
Findings of the Study	48
Conclusion	49
Recommendations.....	50
REFERENCES	
APPENDICES (A-F)	