

**PARENT'S PROFESSION AND MATHEMATICS ACHIEVEMENT OF
BASIC EDUCATION LEVEL STUDENTS**

**A
THESIS
BY
PASHUPATI MAHATO**

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

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

AUGUST, 2019

Letter of Certificate

This is certified that **Mr. Pashupati Mahato**, a student of academic year 2063/64 with campus Roll number **688**, Thesis Number **1193**, Exam Roll Number **280815 (2065)** and TU Registration Number 9-2-225-67-2003 has completed this thesis for the period prescribed by the rules and regulations of the Tribhuvan University, Kirtipur, Kathmandu, Nepal. The thesis entitled **Parent's Profession and Mathematics achievement of Basic Education Level Students** has been prepared based on the result of his investigation. I hereby recommended and forward that his thesis be submitted for the evaluation as the partial requirements to award the degree of Master of Education.

.....

(Assoc. Prof. Laxmi Narayan Yadav)

Date: 2076-04-30 B.S./15 August, 2019

Letter of Approval

This thesis entitled **Parents Profession and Mathematics Achievement of Basic Education Level Students** submitted by **Mr. Pashupati Mahato** in partial fulfillment of the requirements for the Master's degree in Education has been approved.

Viva Voce Committee

Signature

Assoc Prof. Laxmi Narayan Yadav

.....

(Chairman)

Prof. Uma Nath Pandey

.....

(External)

Mr. Krishna Prasad Adhikari

.....

(Supervisor)

Date: 2076-04-30 B.S./ 15 August, 2019 A.D.

Recommendation for Acceptance

This is certified that **Mr. Pashupati Mahato** has completed his M.ED. thesis entitled **Parents Profession and Mathematics Achievement of Basic Education Level Students** under my supervision during the period prescribed the rules and regulation of Tribhuvan University, Kirtipur, Kathmandu, Nepal. I recommended and forward his thesis to the Department of Mathematics Education to organize viva-voce.

.....

(Krishna Prasad Adhikari)

Supervisor

Date: 2076-04- B.S./ August, 2019 A.D.

Declaration

I declare that this thesis is my own work which contain no materials from other accepted dissertation of degree award which has been already done in any institution.

Also, I declare that this thesis has not been submitted for any other degree.

.....

(Pashupati Mahato)

©2019

Copyright by Pashupati Mahato

This document is copyright material. Under law, no parts of this document may be reproduced without the expressed permission of the researcher.

Defense Date: 2076-04-30 B.S./ 15 August, 2019 A.D.

All Right Reserved

Dedication

This work is heartily dedicated to my respected mother:

Reshama Devi Mahato

Acknowledgement

This dissertation would not have been completed without the guidance of my supervisor, lecturer of Department of Mathematics Education, Tribhuvan University, Mr. Krishna Prasad Adhikari. I would like to express my gratitude for his kind of suggestions, encouragement, cooperation, generous comment and continuous during of this study in short time. His outstanding guidance, patience and consistent encouragement have been evident throughout this entire dissertation process.

I would like to express my deepest gratitude to Assoc. Prof. Laxmi Narayan Yadav, Head of the Department of Mathematics Education, Kirtipur who provided me this opportunity and his invaluable comment as well as suggestion that led me to accomplish this thesis.

I must also acknowledge to all the students and parents who were part of my study. Similarly, the school administration and subject teachers of the sample school are to be thanked for their contribution.

Finally, to my wonderful family, I am truly appreciative for each and every one for their encouragement and support. I would like to say thank you very much to my dear sir Mr. Ashok Kumar Singha who recently retired from teaching profession nearly 40 years, my niece Mr. Tulasi Kumar Singh, my friend Hari Shankar Mahato, Dilip Singh and dear Sarita Kumari Mahato. Thank you all for always being there for me.

.....

(Pashupati Mahato)

Abstract

The aim of this research was to explore the parent's profession and mathematics achievement of basic education level student. It had also aim to figure out how the parent's profession and their involvement influence in student in the learning mathematics. This research was conducted in Rautahat district.

This study was based on survey design. To obtain the objective of this study, eight school were selected randomly for data collection. Questionnaire were developed for parents and student to collect the data. Eighty students and eighty parents were divided into four groups according to their parent's profession with the help of student and their class teacher. Twenty students were selected in each group by random sampling method to make sample size equal. The profession of parents were divided into jobholder, businessman, farmer and other-parents. Achievement score of the student were collected from the school record and analyzed by using ANOVA and t-test method to find whether the achievements of each group of students were different or not. Questionnaire were asked with student and their parents and then data was analyzed by using thematic analysis to find how the parent's profession and their involvement influence in student.

The result shows that there was significance difference in mathematics learning of student according to the parent's profession. Also, parents who appreciate their children needs have significant impact on children performance while family income has highly significant impact on student learning. This study shows that parent's profession status plays an important role in child development. Parents with good profession status provide better facilities to their children, and gets better academic in performance of mathematics learning.

Table of Contents

	Page No.
<i>Cover Page</i>	i
<i>Letter of Certificate</i>	ii
<i>Letter of Approval</i>	iii
<i>Recommendation for Acceptance</i>	iv
<i>Declaration</i>	v
<i>Copyright</i>	vi
<i>Dedication</i>	vii
<i>Acknowledgement</i>	viii
<i>Abstract</i>	ix
<i>Table of Contents</i>	x
<i>Abbreviation</i>	xiii
Chapters:	
I. Introduction	1-9
Background of the Study	1
Statement of the Problem	5
Significant of the Study	6
Objective of the Study	6
Research Hypothesis	7

Delimitation of the Study	7
Description of Variables	8
Definition of Related Term	8
II. Review of Related Literature	10-15
Empirical Review	10
Conceptual Framework	14
III. Methods and Procedures	16-20
Design of the Study	16
Population of the Study	17
Sample of the Study	17
Tools for Data Collection	18
Reliability and Validity of the Tools	19
Data Collection Procedures	19
Data Analysis Procedures	20
IV: Analysis and Interpretation	21-38
Analysis of student's achievement by parent's profession	22
Analysis of parent profession's influence in their student	30
V: Summary, Findings, Conclusion and Recommendations	39-43
Summary	39
Finding	41

Conclusion	42
Recommendations	43
References	44
Appendices	47-56

Abbreviations

JPP= Jobholder Profession Parent

BPP= Businessman Profession Parent

FPP= Farmer Profession Parent

NP = Non-Parent

JPS= Jobholder Parent' Student

BPS= Businessman Parent' Student

FPS= Farmer Parent' Student

OPS = Other Parent' Student