

**FACTORS INFLUENCING MATHEMATICS ACHIEVEMENT: A CASE OF
PAHARI STUDENTS**

**A
THESIS
BY**

HARI PRASAD ADHIKARI

**FOR PARTIAL FULFILMENT OF THE REQUIREMENT FOR
THE MASTER DEGREE IN MATHEMATICS EDUCATION**

SUBMITTED

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DEPARTMENT OF MATHEMATICS EDUCATION

CENTRAL DEPARTMENT OF EDUCATION

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Letter of Certificate

This is to certify that **Mr. Hari Prasad Adhikari**, a student of academic year **2075/076B.S.** with thesis number **1485** Exam Roll No. **7228285**, Campus Roll. No. **58** and T.U. Regd. No. **9-2-233-363-2010** has completed his thesis under the supervision during the prescribed by rules and regulation of T.U. Nepal. This thesis entitled, **“Factors Influencing Mathematics Achievement: A Case of Pahari Students”** has been prepared based on the result of his investigation concluded during the period of 2018 under the department of Mathematics Education, Tribhuvan University campus, Kirtipur. I recommend and forward this thesis for the evaluation as the part of partial requirements to award the degree of master of Education.

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Assoc. Prof. Laxmi Narayan Yadav

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Letter of Approval

A

Thesis

By

Hari Prasad Adhikari

Entitled

“Factors Influencing Mathematics Achievement: A Case of Pahari

Students” has been approved in partial fulfillment of the requirements for the Degree of Master of Education.

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Recommendation for Acceptance

This is to certify that **Mr. Hari Prasad Adhikari** has completed his **M.Ed.** Thesis entitled “**Factors Influencing Mathematics Achievement: A Case of Pahari 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 evaluate in final viva-voice.

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Ms. SaralaLuitel

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Declaration

I declare that this thesis is my own work, which contains no materials from other accepted dissertation of degree award, which has been already done in any institution. Also I declare that thesis has not been submitted for any other degree.

.....

Hari Prasad Adhikari

Dedication

This work is heartily dedicated to my respected parents MuktiNathAdhikari and NetraKumariAdhikari, my dearest and nearest friends, BrotherGovindaNathAdhikari ,BasudebAdhikariand all my family members who supported me in each and every steps of my life for what I am now.

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Hari Prasad Adhikari

Abstract

The topic of this study is “Factors Influencing Mathematics Achievement: A Case of Pahari Students”. This is a case study, which is qualitative and descriptive in nature. The objectives of this study were to analyze the factors that affect the mathematics achievement of Pahari students and to dig out the strategies used by school to improve mathematics achievement for Pahari students at Basic Level. The researcher selected six Paharistudents (three boys and three girls) for the case respondents from grade VIII of the Shree Arunodaya Secondary School Simthali-2, Kavrepalanchok district purposively for this study. The researcher used interview schedule, observation note and related documents as tools for data collection. The interviews were conducted with case Paharistudents, their parents, pre- math teacher and head teacher about their experience, opinions, feelings and knowledge for collecting necessary data. Those collected information were analyzed on the basis of conceptual framework and data were validated and supported by the social constructivist theory and empirical review.

Findings of this study are the economic condition of Pahari parents found very poor and illiterate. They use their children as a means of earning support. So the Pahari students do not get opportunity to learn mathematics at home and school. The school environment is not good for teaching learning activities. The school has not conducted any suitable strategies to improve mathematics achievement of Pahari students. This study concluded that home environment, school environment, parent's education and occupation, interest of learner, teacher and student relation and assessment technique are the main factors influencing mathematics achievement of Pahari students.

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