

**FACTORS AFFECTING STUDENTS LOW ENROLLMENT IN MATHEMATICS**

**THESIS**

**BY**

**DHALAK BAHADUR KHADKA**

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

**SUBMITTED TO**

**CENTRAL DEPARTMENT OF EDUCATION**

**DEPARTMENT OF MATHEMATICS EDUCATION**

**UNIVERSITY CAMPUS, KIRTIPUR**

**TRIBHUVAN UNIVERSITY**

**KATHMANDU**

**2017**

**LETTER OF CERTIFICATE**

This is to certify that Mr. Dhalak Bahadur Khadka a student of academic year 2069/070 with campus Roll No.394, Thesis No. 1135 Exam Roll No: 281021/2070 and T.U. Registration No: 9-2-540-18-2007 has completed his thesis under my supervision during the period of 2073 Shrawan to 2074 Bhadra. The thesis entitled “FACTORS AFFECTING STUDENTS LOW ENROLLMENT IN MATHEMATICS” has been prepared based on the result of his investigation. I recommend and forward that his thesis be submitted for the evaluations as the partial requirements to awarding the degree of Master of Education.

.....

(Mrs. Sarala Luitel)

Supervisor

.....

(Asso. Prof. Laxmi Narayan Yadav)

Head

Date.....

**LETTER OF APPROVAL**

**Thesis**

**By**

**DHALAK BAHADUR KHADKA**

**Entitled**

**“Factors Affecting Students Low Enrollment in Mathematics”**

has been approved in partial fulfillment of the requirements of the Master’s Degree of Education.

**Committee for the Viva-Voce**

**Signature**

Asso. Prof. Laxmi Narayan Yadav

.....

Chairman

Prof. Dr. Hari Prasad Upadhyay

.....

Member

Mrs. Sarala Luitel

.....

Member

Date .....

## ACKNOWLEDGEMENT

This task of thesis writing has really taken me to a newer world. As a result, I have felt a new experience in the context of my study. I have come to the realization that it is a part of the intensive study that gives a person an insight into self-study. In course of writing this thesis, I have been inspired by the invaluable cooperation, suggestion and guidance and counseling of various persons. Therefore, first of all, I would like to express my sincere gratitude to my respected thesis supervisor Mrs. Sarala Luitel, Department of Mathematics Education, T.U. for her guidance, encouragement, useful comments and invaluable suggestions to complete the task. Without his regular encouragement and constructive feedback, this work would never see the light of completion.

I am grateful to Head of the Department Asso. Prof. Laxmi Narayan Yadav, Prof. Dr. Hari Prasad Upadhyay and the research committee for letting me to carry out this research. I am equally thankful to all respondents who kindly provided me their information required to accomplish this study. Specially, I would like to thank to Miss. Chandra Mahendru, Mr. Shankar Puri, Mr. Hari Prasad Pokharel, Mr. Krishna Sapkota and Mr. Bharat Sigh Dhami all the friends for providing materials, ideas and helping for tying regarding this study. I can never miss this opportunity to extend my especially thanks to my mom, family members and relatives who have always been with me in every hardship.

.....

Dhalak Bahadur Khadka

## ABSTRACT

Mathematics is the one of the important subjects in human life. It is widely used to solve the daily life problems. However, most of the students fear from the mathematics and feel that is it difficult to grasp. The study entitled “Factors Affecting Students Low Enrollment in Mathematics” is a qualitative in descriptive nature attempts to identify the factor affecting students’ low enrollment in mathematics at bachelor level and to dig out the possible way to enhance the enrollment of students in mathematics. To achieve this objective interview guidelines with campus chief, mathematics teacher, students and parents as well as observation form was conducted to collect primary data from Deukhuri Multiple Campus, Lamahi, Dang. For this researcher had taken total 16 students from different aspects as from those who were 4 mathematics, 2 non mathematics and 10 shifted other subject from mathematics.. The obtained data was developed on conceptual understanding of the study and then data was analyzed by weighted mean using three Likert scale.

Problem related to prior knowledge, teacher efficiency, assessment system, course difficulty and out of content but contextual factor with physical facilities, awareness and plans of parents, home environment, students’ regularity and problem related to administration.

This study is based on current issue as to why the bachelor level of mathematics education is severally facing crises of students’ enrollment. Lack of prior knowledge, teacher efficiency, assessment system, course difficulty and out of content but contextual factor with physical facilities, awareness and plans of parents, home environment, students’ regularity and problem related to administration are causative factor in reducing the enrollment of the students. Similarly, poor job market, impact of peers and society and less responsible factor for low students’ enrollment.

## TABLE OF CONTENT

	<b>Page No.</b>
<i>Letter of approval</i>	<i>I</i>
<i>Letter of certificate</i>	<i>II</i>
<i>Acknowledgements</i>	<i>III</i>
<i>Abstract</i>	<i>IV</i>
<i>Table of contents</i>	<i>V</i>
<i>List of abbreviation</i>	<i>VII</i>
<b>CHAPTERS</b>	
<b>I. INTRODUCTION</b>	<b>1-5</b>
Background of the Study	1
Statement of the problem	3
Objectives of the study	3
Significance of the Study	3
Delimitation of the study	4
Definitions of the key terms	4
<b>II. REVIEW OF RELATED LITERATURES</b>	<b>6-12</b>
Bandura's General Social Cognitive Theory	6
Empirical Review	8
Conceptual Framework	11
Content Related factors	12
Out of Content Contextual Factors	12

<b>III.</b>	<b>METHODS AND PROCEDURES</b>	<b>13-16</b>
	Research Design	13
	Sample of the study	13
	Tools of data collection	14
	Interview guideline	14
	Observation	14
	Document analysis	15
	Data Collection Procedure	15
	Data Analysis Procedure	15
<b>IV.</b>	<b>ANALYSIS AND INTERPRETATION OF DATA</b>	<b>17-31</b>
	Content related factors	
	Prior knowledge	18
	Teacher efficiency	20
	Assessment system	22
	Curriculum difficult	23
	Out of content but contextual factors	
	Physical facilities	24
	Awareness and plan of parents	25
	Home environment	26
	Regularity	28
	Administrative strength	30
<b>V.</b>	<b>SUMMARY, FINDING, CONCLUSION AND RECOMMENDATION</b>	<b>32-36</b>
	Summary	32

Findings	33
Conclusions	34
Recommendations	35
<b>References</b>	<b>37</b>
<b>Appendices</b>	

## **LIST OF ABBREVIATIONS**

AAUW	Association of American University for Women
B. A.	Bachelor's in Art
B. Ed.	Bachelor's in Education
M. A.	Master's in Art
M. Ed.	Master's in Education
NESP	National Education System Plan
OALD	Oxford Advanced Learner's Dictionary
TU	Tribhuvan University
USA	United States of America
UNRISD	United Nations Research Institute of Social development
CDC	Curriculum Development Center
MDG	Millennium Development Goal
INGO	International Government Office
DEO	District Education Office
RP	Resource Person