

**CAUSES OF LOW ENROLLMENT OF GIRLS STUDENT IN OPTIONAL  
MATHEMATICS AT SECONDARY LEVEL IN PARSA DISTRICT**

**A  
THESIS  
BY  
BRIJKISHOR PRASAD YADAV**

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

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

**2017**



त्रिभुवन विश्वविद्यालय  
शिक्षा शास्त्र केन्द्रीय विभाग  
**गणित शिक्षा विभाग**

विश्वविद्यालय क्याम्पस  
कीर्तिपुर, काठमाडौं, नेपाल

UNIVERSITY CAMPUS  
Kirtipur, Kathmandu, Nepal

TRIBHUVAN UNIVERSITY  
CENTRAL DEPARTMENT OF EDUCATION  
**DEPARTMENT OF MATHEMATICS EDUCATION**

पत्र संख्या:-  
Ref.

मिति:  
Date: .....

**LETTER OF CERTIFICATE**

This is to certify that **Mr. Brijkishor Prasad Yadav** a student of academic year 2070/2071 BS with Campus Roll No. 49 , Thesis Number 1285 T.U. Registration No.9-2-3131-2008 and Examination Symbol No. 280392 has completed his thesis under supervision of Dr. Bedraj Acharya during period prescribed by the rules and regulations of Tribhuvan University, Nepal and the thesis entitled "**Causes of Low Enrollment of Students in Mathematics Education**" embodies the result of his investigation conducted during the period 2017 under the Department of Mathematics Education, University Campus, Kirtipur, Kathmandu. I recommend and forward that his thesis be submitted for the evaluation as a partial fulfillment for the Degree of Master's of Education.

.....  
(Assoc. Prof. Laxmi Narayan Yadav)

Head

Date: .....



त्रिभुवन विश्वविद्यालय  
शिक्षा शास्त्र केन्द्रीय विभाग  
**गणित शिक्षा विभाग**

विश्वविद्यालय क्याम्पस  
कीर्तिपुर, काठमाडौं, नेपाल

UNIVERSITY CAMPUS  
Kirtipur, Kathmandu, Nepal

TRIBHUVAN UNIVERSITY  
CENTRAL DEPARTMENT OF EDUCATION  
**DEPARTMENT OF MATHEMATICS EDUCATION**

पत्र संख्या:-  
Ref.

मिति:  
Date: .....

**LETTER OF APPROVAL**

A

Thesis

By

**Brijkishor Prasad Yadav**

Entitled

**"Causes of low Enrollment of Girls students in Optional Mathematics"**

has been approved in partial fulfillment of the requirements of Degree of Master of

Education

**Committee of the viva-voice**

**Signature**

Assoc. Prof. Laxmi Narayan Yadav

.....

(Chairman )

Prof. Dr. Bishnu Dhungana

.....

(External )

Assoc. Prof. Dr. Bed Raj Acharya

.....

(Supervisor)

Date: .....



त्रिभुवन विश्वविद्यालय  
शिक्षा शास्त्र केन्द्रीय विभाग

विश्वविद्यालय क्याम्पस  
कीर्तिपुर, काठमाडौं, नेपाल

**गणित शिक्षा विभाग**

UNIVERSITY CAMPUS  
Kirtipur, Kathmandu, Nepal

TRIBHUVAN UNIVERSITY

CENTRAL DEPARTMENT OF EDUCATION

**DEPARTMENT OF MATHEMATICS EDUCATION**

पत्र संख्या:-

Ref.

मिति:

Date: .....

**RECOMMENDATION FOR ACCEPTANCE**

This is to certify that Mr. Brijkishor Prasad Yadav has his Mathematics Thesis entitled " Causes of Low Enrollment of Girls Students in Optional Mathematics " under my supervision during the period prescribed the rules and regulation of Tribhuvan University, Kirtipur, Kathmandu, Nepal. I recommended and forward thesis to Department of Mathematics Education to organize final viva-vice.

.....

Assoc. Prof. Dr. Bed Raj Acharya

(Supervisor)

## DECLARATION

This declaration contain no materials which has accepted for the award of the other items in any instructions. To the base of knowledge and belief this declaration contains ; no materials published by any authors expect due to acknowledgement had been made.

.....

Brijkishor Prasad Yadav

Date: .....

## ACKNOWLEDGEMENTS

I would firstly like to thanks to my supervisor Dr. Bed Raj Acharya for his regular guidance, supervision, suggestion, encouragement , inspiration and mentoring roles through the research journey. It would not be possible to completed this research without his quality time, positive encouragement and support.

I would like to extend my gratitude to my respected teacher Assoc. Prof Laxmi Narayan Yadav, Head Department of Mathematics Education , Kirtipur for his valuable comments and suggestions that led me to ful fill this thesis. Similarly , I am very grateful to my all teachers of the Department of Mathematics Education who directly or indirectly encouraged me to complete my thesis. I would like extend my heartfelt thanks to all students , parents, subject teacher and head teacher of Babulal Hansbahani secondary school for their kind co- operation in data collection.

Finally, I would like to thanks all members of my family for their support and enthusiasm to bring me in this stage of higher education and to complete the thesis.

.....  
Brijkishor Prasad Yadav

## ABSTRACT

The study entitled "Causes of Low Enrollment of Girls Students in Optional Mathematics" is a case of study that attempts to indentify the causes of low enrollment of girls students in optional mathematics at secondary level. The main objective of this study was to analyze the causes of low enrollment of girls students in optional mathematics and to explore the remedial ways of low enrollment of girls students in optional mathematics. The study was qualitative design in case study approach. Shree Babulal Hansbahini Secondary School was the study site of my study. 15 students were taken as key respondent and purposive sampling methods was using for collecting the data. To achieve the objective interview, focus group discussion and classroom observation were used as research tools.

Firstly, I visited the sample school, consult with Head teacher, subject teacher of the school , clarify them about the objective of the study and took permission for classroom observation , interview and focus group discussion. After that studied previous research deeply and linked the collected data with theories by triangulation way. From the analysis of data it was found that teaching without contextualization, rote learning, fearful environment of classroom, lack of confidence and practices without understanding were the main causes of low enrollment of students in optional mathematics. And further it was found that the ways to minimize low enrollment were: Making teaching learning activities interesting and lively, understand the mathematical concept rather than memorizing, making our mathematics education culturally relevant and contextualized.

## 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>Copyright</i>	<i>iv</i>
<i>Declaration</i>	<i>v</i>
<i>Acronyms</i>	<i>vi</i>
<i>Acknowledgement</i>	<i>vii</i>
<i>Abstract</i>	<i>viii</i>
<i>Table of Content</i>	<i>ix</i>
 <b>Chapters</b>	
<b>I. INTRODUCTION</b>	<b>1 - 6</b>
Background of the Study	1
Statement of the Problem	3
Objective of the Study	4
Significant of the Study	4
Delimitation of the Study	5
Operational Definitional of the Key Terms	5
<b>II. LITERATURE REVIEW</b>	<b>7 - 16</b>
Empirical Literature	7
Theoretical Literature	11
Conceptual Framework	14
<b>III. METHODS AND PROCEDURE</b>	<b>17- 22</b>
Research Design	17



Study Size	17
Sample of the Study	18
Tools for Data Collection	18
Interview Guideline	18
Classroom Observation Guideline	19
Quality Standard	19
Data Collection Procedure	21
Data Analysis and Interpretation	22
<b>IV. ANALYSIS AND INTERPRETATION OF DATA</b>	<b>23 -51</b>
Causes of Low Enrollment of Students in Optional Mathematics	24
School Related Factors in the low Enrolment of Girls Students in Optional Mathematics	24
Influence of Students (self ) Related Factors On Enrollment of Students	38
Negative Thinking towards Optional Mathematics	39
Ways to Minimize low Enrollment Rate of Girls Students in Optional Mathematics	45
Positive Role of Teachers	48
Making Continuous Assessment system	50
<b>V. FINDINGS, CONCLUSIONS, IMPLICATIONS OF STUDY</b>	<b>52-55</b>
Findings	52
Conclusions	53
Implications	54
<b>REFERENCES</b>	
<b>APPENDICES</b>	

**ACRONYMS**

F. G .D	:	Focus Group Discussion
H.M	:	Head master
S.L .C	:	School Leaving Certificate
S.M. C	:	School Management Committee
T.U	:	Tribhuvan University
Z.P.D	:	Zone of Proximal Development

© 2017

Copyright by **Brijkishor Prasad Yadav**

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

