

**FACTORS AFFECTING ON STUDENT'S ACHIEVEMENT IN GEOMETRY**

**A**

**THESIS**

**BY**

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

**SUBMITTED TO**

**DEPARTMENT OF MATHEMATICS EDUCATION**

**CENTRAL DEPARTMENT OF EDUCATION**

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**TRIBHUVAN UNIVERSITY**

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This is certify that **Mr. Kaman Singh Budha Magar** a student of academic year 2070/71 with the campus roll number **375**, Thesis number **1238**, exam roll number **280436** and TU registration number **9-2-489-46-2008** has completed this thesis for the period prescribed by the rules and regulation of Tribhuvan University, Nepal. This thesis entitled **Factors Affecting on Students Achievement in Geometry** has been prepared based on the result of his investigation. I, here by recommend and forward that his thesis submit for the evaluation as the partial requirement to award the degree of Master of Education.

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

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**RECOMMENDATION OF ACCEPTANCE**

This is to certify that **Mr. Kaman Singh Budha Magar** has completed his M.Ed. thesis entitled **Factors Affecting on Students Achievement in Geometry** under my supervision during the period prescribed the rules and regulation of Tribhuvan University, Kirtipur, Kathmandu, Nepal. I recommend and forward his thesis to the Department of Mathematics Education to organized final vive-voce.

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Assoc. Prof. Dr. Eka Ratna Acharya

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**LETTER OF APPROVAL**

This thesis entitled **Factors Affecting on Achievement of Students in Geometry** submitted by Mr. Kaman Singh Budha Magar in Partial fulfillment of the requirement for the Master Degree in Education has approved.

Vive-Voce Committee

Signature

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(Chairman)

2. Prof. Dr. Bishnu Prasad Dhungana .....

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**HONESTLY DEDICATED**

To

my parents

who spend their life to make me what I am today.

**DECLARATION**

This dissertation contains no materials, which has accepted for the award of the other degree in any institutions. To the best of knowledge and belief this dissertation contains no materials previously published by any authors except due acknowledgement has been made

.....

Kaman Singh Budha Magar

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.....

Kaman Singh Budha Magar



## ABSTRACT

The purpose of this research was to identify and understand the Factors Affecting on Student's Achievement in Geometry. This research based on mixed method. these were quantitative and qualitative. To achieve objectives in this study, the researcher has reviewed some literatures and journals that were related to this study. The researcher prepared tools; Questionnaire, interview guidelines for data collection. Likert5 points scale was included in questionnaire response of all students who were enrolled in mathematics of Rolpa district were taken as the population of this study.

School and students were selected from simple random sampling method. Sample of schools were 4 from 122 schools and sample of students were 140 from 213 students. Quantitative data were taken from questionnaire. To identify that factors affect on student's achievement arise 50 statements in questionnaire and calculate Chi-square test, percentage, average mean, weighted mean and average weighted mean. Qualitative data were described by triangulation analysis through interview. Percentage, weighted mean and Chi-square test used to analyze data at 5% level of significant.

After analysis and interpretation of obtained data, finding indicated that student related factors (Student Interest, Self-confidence of students, Students Motivation and Practice), teacher related factors (Teachers Behavior, Teaching method in class room, teacher qualification and Teacher training), Instruction material related factors (Geometry box, Text book, Geo- gebra and Raw materials) and Environment factors (Home environment, class room environment and environment school) affect on students achievement in Geometry in Grade VIII.

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**LIST OF ABBREVIATION**

A	-	Agree
D	-	Disagree
S	-	Significance
U	-	Undecided
R	-	Remark
NS	-	No Significance
SA	-	Strong Agree
SD	-	Strong Disagree
MOE	-	Ministry of Education
NCED	-	National Center for Education Development
WM	-	Weighted Mean
ICT	-	Information Communication Technology
M.Ed.	-	Master in Education
TU	-	Tribhuvan University