EFFECT OF INSTRUCTIONAL FACTORS IN MATHEMATICS

ACHIEVEMENT

A THESIS

BY

DEEPAK NEPAL

FOR THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE

DEGREE OF MASTER OF EDUCATION

SUBMITTED TO

DEPARTMENT OF MATHEMATICS EDUCATION

CENTRAL DEPARTMENT OF EDUCATION

UNIVERSITY CAMPUS

TRIBHUVAN UNIVERSITY

KIRTIPUR, KATHMANDU

2016

Letter of Certificate

This is to certify that Mr. Deepak Nepal, a student of academic year 2067/68 with campus Roll No. 3185/067, Thesis No. 1036, Exam Roll No. 281339) and T.U. Regd. No. 9-1-21-55-2004 has completed his thesis under my supervision for the period prescribed by the rule and regulation of Tribhuvan University, Nepal. The thesis entitled **''Effect of Instructional Factors in Mathematics Achievement ''** has been prepared based on the result of his investigation conducted during the period of 2015. I hereby recommend and forward that his thesis be submitted for the evaluation as the partial requirement to award the degree of Master's of Education.

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ACKNOWLEDGEMENTS

As the researcher I would like express profound gratitude and appreciation to my respected supervisor Mr. Arjun Neupane, Department of Mathematics Education, T.U., for his inspirational guidance, generous advice, continuous support and valuable suggestions.

The researcher expresses his gratitude to Ass. Prof. Laxmi NarayanYadav, Head Department of Mathematics Education, T.U., for his creative suggestions and constant inspiration while accomplishing this research work. My gratitude is also extended to Prof. Dr. Hari Prasad Upadhyay, Prof. Dr. Min Bahadur Shrestha, Mr. Bed Prasad Dhakal, Mr. Abatar Subedi and Mr. Krishna Prasad. Adhikary, for their valuable comments and suggestions to bring the work into present form.

I wish to acknowledge and express my profound gratitude to the Head teachers and mathematics teacher of selected schools for their valuable suggestions, facilitating reference materials, advices and encouragement during my research work.

I would like to thank to, Mr. Ramhari Basnet, Mr. Prabin Acharya, Rajesh Basnet who provided needed atmosphere and necessary encouragement.

February, 2016

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ABSTRACT

Mathematics takes important place and usages in different ways in human life. So, it is necessary to learn and teach in systematic way at mathematics. Among various teaching methods here, the present study concentrated on "Effect of Instructional Factors in Mathematics Achievement of Students". This study was based on the following objectives: find out the instructional factors affecting in mathematics achievement and analyze the effect of instructional factors (curriculum, instructional method, teachers competency, school context and facilities) in mathematics achievement of student.

For the data collection, three campus and all secondary level teachers of mathematics were selected purposively and non-equivalent group design was used to conduct this study. 200 students were selected from three campus and 50teachers and some parents were selected from Dolakha District as a survey for collecting data researcher used to questionnaire and interview.

Questionnaire and interview were the main tools for the study and mean, standard deviation; variance and ANOVA (at 0.05 level of significant) were used as statistical tools for the study. After analyzed the obtained data, it was concluded that result of the study. The most affective instructional factors are curriculum, methods, teacher competency and school context and facilities.

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