

**FACTORS AFFECTING PROFESSIONAL DEVELOPMENT OF
MATHEMATICS TEACHERS**

**A
THESIS**

**BY
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LETTER OF CERTIFICATE

This is to certify that Mr. Yubraj Belbase a student of Academic Year 2069/070 with Campus Roll No.1036, Thesis No. 1161 Exam Roll No: 281275 and T.U. Registration No: 9-2-599-124-2008 has completed his thesis under my supervision during the period of 2074 Mangsir to 2075 Jestha. The thesis entitled “FACTORS AFFCETING PROFESSIONAL DEVELOPMENT OF MATHEMATICS TEACHERS “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.

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LETTER OF APPROVAL

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“Factors affecting for professional development of mathematics teachers”

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

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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, suggestions and guidance and counseling of various person. Therefore, first of all, I would like to express my sincere gratitude to my respected thesis supervisor Ms. Sarala Luitel, Department of Mathematics Education, T.U. for her guidance, encouragement, useful comments and invaluable suggestions to complete the task. Without her regular encouragement and constructive feedback, this work would never see the light of completion.

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.....

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ABSTRACT

The study is about the 'Factor affecting for professional development of mathematics teacher'. The main objectives of the study were to identify the encouraging and discouraging factors of professional development of mathematics teachers and to explore the present practices used for professional development of mathematics teachers. The design of this study is survey. To fulfill the objectives of this study the researcher collected the sample of 35 teachers from 10 high school of Kathmandu randomly. I used interview tool to collect the qualitative data with 10 secondary teachers and 5 head teachers from respective schools and to find quantitative data I used opinionnaire tool for 35 teachers. Responses obtained from opinionnaire were analyzed by five point Lickert scale with the help of mean weightage. After analyzing the qualitative and quantitative data the findings, conclusions and recommendation of the study according to the objectives and research questions are found.

From all the above efforts reliable affecting factors of professional development of mathematics teacher were noticed. School administration, teachers, publications, and academic policy of nation all are responsible for the problem. Also standardized government policy, honest administration, motivational evaluation of teachers, workshop, developing national ICT skill standards, supporting R&D activities etc. can be the possible remedial measures to decrease the problems.

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LIST OF ABBREVIATIONS

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
ICT	Information and Communication Technology
ELT	English Language Teaching
R & D	Research and Development
TPD	Teacher Professional Development
OHP	Overhead Projector
RC	Resource Center