

**MOTIVATIONAL TECHNIQUES PROMOTED BY MATHEMATICS
TEACHERS AT SECONDARY LEVEL**

A

THESIS

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LETTER OF APPROVAL

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entitled **motivational techniques promoted by mathematics teachers at secondary level** has been approved in partial fulfillment of the requirements for the degree of master of mathematics education

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LETTER OF CERTIFICATE

This is to certify that Mr. Rajendra Bahadur Woli, a student of academic year 2067/069 with campus Roll No: 502, Exam Roll No: 281348 (2067), Thesis number 903 and T.U. Registration No: 9-2-327-199-2005 has completed his thesis under my supervision during the period prescribed by the rules and regulation of Tribhuvan University, Nepal. The thesis entitled "**Motivational Techniques Promoted by Mathematics Teachers at Secondary Level**" has been prepared based on the result of his investigation conducted under the Department of Mathematics Education, University Campus, Tribhuvan University, Kirtipur, Kathmandu. I recommend and forward that his thesis be submitted for the evaluation to award the degree of Master of Mathematics Education.

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ABSTRACT

There are several motivational techniques according to the different psychologist & educationists which helps teachers to motivate their learners in teaching mathematics. Among them the researcher observed the main 25 motivational techniques. The objectives of the study is to find out the current status of motivational techniques promoted by mathematics teachers, and to find the significant difference between the status of motivational techniques promoted by mathematics teachers in teaching mathematics at secondary level from public and private schools. The design of this study was descriptive which is quantitative nature. Also some quantitative data were used to support for this design. Quantitative and descriptive method was followed to analyze the data and Guilford's five point numerical rating scale was followed to quantify the collected data.

The population of the study was all the mathematics teachers and students of secondary level schools in Kathmandu district. Among them 20 mathematics teachers were selected as the sample by stratified random sampling method. Classroom observation form was used as the tools of the study. The researcher followed quantitative as well as descriptive approach to analyze the data. At first the data obtained in classroom observation form were tabulated then calculated the mean score of each motivational techniques promoted by mathematics teachers' to analyze in descriptive way. Here, if mean score is less than 3; the result was 'poor', the mean score is 3; the result was 'satisfactory' and if the mean score was greater than 3; the result was 'good' to find out the current status of motivational techniques promoted by mathematics teachers. Similarly, To find out the significance difference between the status of motivational techniques promoted by public schools mathematics

teachers and private school mathematics teachers were used mean, variance, two tailed t-test at 0.05 level of significance.

The current status of motivational techniques promoted by mathematics teachers in teaching mathematics is satisfactory. Among them the position of motivational techniques classroom environment and closing the lesson was 'satisfactory', the position of the motivational techniques Teaching learning activities was 'good' and the position of the motivational techniques evaluation was 'poor'. There was significant difference promoted by public and private schools` mathematics teachers in teaching mathematics at secondary level.

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ABBREVIATIONS

etc.	-	Etcetera
NESP	-	National Education System Plan
No.	-	Number
NRC	-	National Research Council
SLC	-	School Leaving Certificate
S. N.	-	Serial Number
T. U.	-	Tribhuvan University