

**RELEVANCY OF ONLINE CLASSES IN MATHEMATICS EDUCATION**

**A**

**THESIS**

**BY**

**BISHNU BAHADUR BADAILA**

**THE PARTIAL FULFILLMENT OF THE REQUIREMENT  
FOR THE DEGREE OF MASTER OF EDUCATION**

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**RECOMMENDATION FOR ACCEPTANCE**

This is to certify that Mr. **Bishnu Bahadur Badaila** has completed his M. Ed. thesis entitled “**Relevancy of Online Classes in Mathematics Education**” under my supervision during the period prescribed the rules and regulations of Tribhuvan University, Kirtipur, Kathmandu, Nepal. I recommend and forward his thesis to the Department of Mathematics Education to organize the final viva-voce.

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**Dr. Bed Prasad Dhakal**

(Supervisor)

**Date:** .....

**LETTER OF APPROVAL**

Thesis Submitted

By

**Bishnu Bahadur Badaila**

Entitled

**“Relevancy of Online Classes in Mathematics Education”**

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

**Viva-Voce Committee****Signature****Prof. Dr. Bed Raj Acharya**

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**LETTER OF CERTIFICATE**

This is to certify Mr. **Bishnu Bahadur Badaila**, a student of the academic year **2018/2019** AD with thesis number **1583**, Exam Roll No. **7428254**, Campus Roll No. **193**, and T. U Regd. No. **9-2-605-7-2014** has completed his thesis under my supervision during the prescribed by the rules and regulations of T. U Nepal. The thesis entitled “**Relevancy of Online Classes in Mathematics Education**” embodies the result of his investigation conducted from **2020 to 2021** at the Department of Mathematics Education, University Campus, Tribhuvan University, Kirtipur, Kathmandu. I recommend and forward that his thesis is submitted for evaluation to award the Degree of Master of Education.

Date: .....

.....

**Prof. Dr. Bed Raj Acharya**

(Head)

## DEDICATION

*This thesis is dedicated to my father **Mr. Bal Bahadur Badaila**,  
my mother **Mrs. Laxmi Devi Badaila**, and my big brother **Mr. Rabindra Badaila**.  
Whose love, support, and encouragement have enriched my soul and inspired me to  
purpose and completed this research.*

## **DECLARATION**

This dissertation contains no material which has been accepted for the award of another degree in any institution. To the best of my knowledge and belief, this dissertation contains no material previously published by any authors except due acknowledgment has been made.

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Bishnu Bahadur Badaila

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Bishnu Bahadur Badaila



## ABSTRACT

This research study entitled Relevancy of Online Classes in Mathematics Education was carried out to identify the views of students on relevance of online classes in mathematics education. The main objective of this study was to analyze student's barriers to online learning in mathematics education in the context of Nepal and to analyze the opportunities that students entertain while taking online class in mathematics education. The sample was 100 Students for questionnaire and 10 students for interview they were studying at first and fourth semesters of master degree in mathematics education during academic year 2077 at Tribhuvan University.

The questionnaires and interview were used for the collection of data containing close-ended and open ended questions. The Campus and the students were selected by using probability proportional sampling procedure. The collected data were analyzed by descriptively and statistically. Statistical tools such as measures of frequency and percentile, mean, standard deviation, chi-square test, t-test and chart bar graph were used to analyze and interpret data. When collecting the responses from interview was recorded then the data were scrutinized in general and transcribed under different headings. After that, the sub-headings for data analysis were developed and the data were analyzed descriptively.

The researcher found the Barriers faced by students while they taking Online class are unstable network, lack of Motivation, lack of technical knowledge, notification distraction and useless notification, shortage of devices, unnecessary advertisement, expensive, Learner's capability & confidence level, Time Management, Distractions, frustration, anxiety & confusion, lack of personal/physical attention and complexity. The most frequent barrier respondents noted was the lack of reliable internet at home and the opportunities entertain students while taking online class are Time flexibility, Location flexibility, Scope for Innovation & digital development, wide availability of courses & content, immediate feedback, with no boundaries and self-learning are the opportunities while students taking online class of mathematics education

In the conclusion the opportunities of online class outweigh the barriers that students face. Online class provides great opportunity for universities in developing countries to improve their teaching and learning processes. Moreover, the findings of

this study states that master level students of mathematics education had positive opinion towards the online classes in mathematics education. From all the finding the researcher concludes that online class is relevant for the students of mathematics education in Tribhuvan University.

The students recommended that the teachers need training on how to take online classes effectively. The barriers for the online teaching can be minimized if the teachers are trained for online education system. Online teaching education if integrated with traditional classroom lectures for selected topics could be beneficial to the students. Internet facility is necessary and should be improved to learn online in mathematics education effectively and Policy makers should provide additional planning time for students to experiment with new ICT-based approaches.

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