

**CAUSES OF DIFFICULTIES OF DALIT GIRL STUDENTS
IN LEARNING MATHEMATICS**

**A
THESIS
BY
SAROJ SHARKI**

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

**SUBMITTED TO
DEPARTMENT OF MATHEMATICS EDUCATION
CENTRAL DEPARTMENT OF EDUCATION
UNIVERSITY CAMPUS
TRIBHUVAN UNIVERSITY**

2019

Letter of Certification

This is to certify that **Mr. Saroj Sharki**, a student of academic year 2072/2073 with Campus Roll No. 520, Exam Roll No. 7228393, T.U. Regd. No. 9-2-240-432-2012 and Thesis No. 1459 has completed his under supervision of Prof. Dr. Eka Ratna Acharya during the period prescribed by the rules regulation of Tribhuvan University, Nepal. The thesis entitled "**Causes of Difficulties of Dalit Girl Students in Learning Mathematics**" embodied the result of his investigation conducting the period 2019 at the Department of Education, University Campus, Kirtipur Kathmandu. I hereby, recommended and forward that his thesis be submitted for the evaluation as the partial requirement to as ward the Degree of Masters of Education.

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(Assoc. Prof. Laxmi Narayan Yadav)

Head

September, 2019

Letter of Approval

Thesis Submitted

By

Saroj Sharki

Entitled

“**Causes of Difficulties of Dalit Girl Students in Learning Mathematics**” has been approved as the partial fulfillment for the requirement of Master Degree in Mathematics Education.

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07 September, 2019

Recommendation for Acceptance

This is to certify that **Mr. Saroj Sharki** has completed his thesis entitled "**Causes of Difficulties of Dalit Girl Students in Learning Mathematics**" under my supervision during the period prescribed by the rules and regulation of Tribhuvan University, Kirtipur, Kathmandu, Nepal. I recommend and forward his thesis to the Department of Mathematics Education to organize final viva-voce.

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Prof. Dr. Eka Ratna Acharya

(Supervisor)

September, 2019

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By

Saroj Sharki

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Defense Date: 07 September, 2019

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Dedication

Honestly dedicated

To

My parents

Krishna Bahadur Sharki and Devi Maya Sharki

Declaration

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

September, 2019

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Saroj Sharki

Acknowledgement

I would like to thank my supervisor Prof. Dr. Eka Ratna Acharya for his advisory and mentoring role throughout the research journey. It would not be possible for me to bring the inquiry in this form without his quality, time, positive encouragement and support.

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September, 2019

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Saroj Sharki

Acronyms

CBS	Central Bureau of Statistics
B.Ed.	Bachelor in Education
CRT	Critical Race Theory
L.C.M.	Lowest Common Multiple
ICT	Information and Communication Technology
TV	Television

Abstract

This study entitled to "Causes of difficulties of Dalit girl students in learning mathematics". The objectives of this study were to find the causes of difficulties faced by Dalit girl students in learning mathematics at basic level and to find the mathematics learning environment of Dalit girl students at home and school.

The design of this study was qualitative with case study approach. Researcher selected five Dalit girl students, their parents, and one mathematics teacher for the study from Bhanu Secondary School, Paharilotar Chitwan as sample by purposive sampling. Class observation and semi-structured interview were the main tools for the data collection process. I visited the sample school and met the mathematics teacher, Dalit girl students and respective parents. Further the researcher used Vygotskian social constructivism theory, Critical race theory and Feminism theory were used to analyze the data.

The study concluded that the participation of Dalit girl students in mathematics learning is comparatively less than other students. Similarly, the factor affecting the participation of Dalit girl students in mathematics learning are poor economic condition of the family, negative social belief and tradition, household work load, cost of education, psychological effect, distance of the school were the problems of participating the Dalit girl students in mathematics class.

To improve the learning capacity of Dalit students in mathematics, they should be motivated to be regular in school, necessary materials should be provided to them from the school, there should be discussion between Dalit students, parents and mathematics teacher about their student, there should be discount in tuition classes, there should be at least one Dalit teacher in each school. The economic help should be provided to them and the people who discriminate them should be discouraged.

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