

PRESENT SITUATION IN TEACHING GEOMETRY AT PUBLIC SCHOOL

**A
THESIS**

**BY
RANJEET RAUT**

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LETTER OF CERTIFICATE

This is to certify that Mr. **Ranjeet Raut**, A student of academic year (2068/69) with Exam Roll No 271774 , Campus Roll No 268 , T. U. Regd No. 9-2-238-159-2007 and thesis No 1053 has completed his thesis under my supervision, during the period prescribed by the rules and regulation of Tribhuvan University, Nepal. The thesis entitled "**Present Situation in Teaching Geometry at Public School in Chitwan District**" embodies the result of his investigation conducting the period of prescribed by the rule of Tribhuvan University, Nepal at the Department of Mathematics Education, University Campus, Kirtipur, Kathmandu. I, hereby, recommend and forward that his thesis be submitted for the evaluation as Partial requirement to award the Degree of Master of Education.

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LETTER OF APPROVAL

A

Thesis

By

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Entitled

"Present Situation in Teaching Geometry at Public School of Chitwan

District" has been approved as partial fulfillment of requirements for the Degree of
Master of Education.

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.....

Ranjeet Raut

ABSTRACT

The major focus of this study was to investigate. The present situation in teaching geometry at public school of Chitwan district. The main objectives of this study were: to explore the present situation in teaching geometry at public school, to explore the challenges of public school's teachers and students in teaching geometry and to explore the possible ways to overcome these challenges. To achieve these objectives, I selected the qualitative design with case study approach. The study site is Chitwan district. I used purposive sampling technique to select the participants. Adopting this procedure, four secondary level mathematics teachers and eight students of grade-X of public schools of Chitwan district were selected as sample. The data was mainly obtained by using interview guideline and class observation. I analyzed the information by using different theories to produce the information and draw conclusion on the study.

Then it was found that teaching-learning geometry is less satisfactory in Chitwan district. Teachers and students face challenges in learning geometry because of not using appropriate teaching- learning pedagogy, less comprehension of geometrical concepts and teachers teach geometry theoretically rather than practically. Similarly, to overcome these challenges by applying collaborative teaching –learning approach, avoiding rote memorization, providing reinforcement in the classroom, integrating culturally relevant content and pedagogy in the curriculum. Then geometry teaching- learning situations become interesting and meaningful.

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ACRONYMS

CDC -	Curriculum Development Center
CERID-	Research Center for Educational Innovation and Development
ICMI -	International Commission on Mathematical Instruction
CSMR-	Seventies Comprehensive School Mathematics Project
ICME-	International Congress on Mathematical Education
IMO-	International Mathematical Olympiads
JER-	Journal of Education and Research
JME-	Journal of mathematics Education
MEF-	Mathematics Education Forum
S.L.C.-	School Level Certificate
T.U.-	Tribhuvan University

