

**DEVELOPMENT OF NUMERICAL SCRIPTS IN RAI ETHNIC
GROUP**

**A
THESIS**

**BY
SHIDDI KUMAR RAI**

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THE DEGREE OF MASTERS OF EDUCATION**

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LETTER OF APPROVAL

**A
Thesis
By**

SHIDDI KUMAR RAI

Entitled

"Development of Numerical Scripts In Kiranti (Rai) Community" has
been approved in partial fulfillment of the requirement for degree of Master of
Education.

Committee for the Viva-voce

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LETTER OF CERTIFICATE

This is to certify that Mr. Shiddi Kumar Rai student of academic year 2064/2065 with Campus Roll No. 1004, Thesis number 555 Exam Roll No. 281468 and T.U. Registration No. 0124-87 has completed his thesis under my supervision for the period prescribed by the rule and regulation of Tribhuvan University, Nepal. The Thesis entitled "**A Topic of Development of Numerical Scripts in Kiranti (Rai) Community**" embodies the result of his investigation conducted during the period of 68/69 in the Department of Mathematics Education. Tribhuvan University, University Campus, Kathmandu, I recommend and forward that this thesis be submitted for the evaluation as the partial requirement to award the degree of Master of Education.

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Shiddi Kumar Rai

ABSTRACT

The main objectives of this study were to explore and identify the numerals and numeral system of Kiranti (Rai) and its gradual development under Kirant Civilization. To achieve the objectives of the study, the researcher conducted an empirical, historical study of Kiranti (Rai) community.

The source of data for the study were taken from primary sources of the data which consisting of the study of profiles, counseling with resource persons and scholars, the study of related journals, unpublished books and literatures. Similarly, the secondary data were collected from several libraries, department of archaeology, personal collections and other related documents and literature of Kiranti (Rai) ethnic group.

The nature of the study is descriptive survey and qualitative type, and interpretation on development of numerals and numeral system of Kiranti (Rai). The major findings were as follows:

-) The script of Kiranti (Rai) is influenced by Brahmi script so the numerals are also influenced by Brahmi numerals.
-) The numeral system is based on Decimal Scale.
-) Word numerals were widely used before the development of proper numerals in Kiranti (Rai).
-) The numeral system of Rai adopted ten basic symbols with positional number system.
-) All Kiranti people used same numerals including Kiranti (Rai) but vary in pronunciation and still continue till now.

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