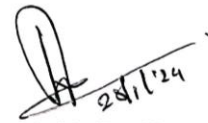


DECLARATION

This is to declare that the Ph.D. thesis entitled “**Automatic Vectorization of features from topographic sheet and its representation for GIS Application**” was carried out in partial fulfilment for the requirement of the Degree of **Doctor of Philosophy** at Department of Computer Applications, Sikkim University. This work has been done under the guidance of **Dr. Mohan Pratap Pradhan** (Supervisor), Associate Professor and Head, at Department of Computer Applications, School of Physical Sciences, Sikkim University, Gangtok, Sikkim.

I hereby declare that this thesis is my own work, and to the best of my knowledge, it contains no materials previously published, or written by any other person, or substantial proportions of material which have been accepted for the award of any other degree or diploma at Sikkim University or any other educational institution, except where due acknowledgement is made in the thesis.



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***DEDICATED TO MY
DEAR MOTHER & FATHER
AND FAMILY MEMBERS***

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Date: 12th January 2024

CERTIFICATE

This is to certify that the Ph.D. thesis entitled “Automatic Vectorization of features from topographic sheet and its representation for GIS Application” has been carried out at the Department of Computer Applications, Sikkim University by **Mr. Ashis Pradhan** in partial fulfilment for the award of Degree of **Doctor of Philosophy**.

I consider that the thesis has reached the standard and fulfills the requirements of the rules and regulations prescribed by the University. The contents embodied in the thesis have not been submitted for the award of any other degree or diploma in this or any other university.

It is recommended that this Ph.D. thesis be placed before the examiners for evaluation.

 12/1/24

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