

**CENTRE OF ADVANCED STUDIES IN EDUCATION (CASE)  
DEPARTMENT OF EDUCATION  
FACULTY OF EDUCATION AND PSYCHOLOGY  
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA,  
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**CERTIFICATE**

This is to certify that the thesis entitled '**Development and Implementation of Multimedia Package to Teach Geography at Standard IX CBSE Students**' submitted by **Mr. Lakshmi Narayan Singh** is a record of research work carried out by him for the Degree of Doctor of Philosophy under my guidance. Also, the thesis has not formed the basis for award of any other Diploma, Degree, Fellowship or other similar titles and that the thesis represents an independent endeavour on the part of Mr. Lakshmi Narayan Singh, under my guidance. No portion of this thesis is a reproduction from any other source, published or unpublished without acknowledgement.

It is further stated that the doctoral research was carried out fulfilling the requisite attendance criteria as per **O. Ph. D. : 3 (i)** of The M S University of Baroda, Vadodara.

**December, 2013**  
**Place: Vadodara**

**Prof. Ashutosh Biswal**  
**Guide**