

**CENTRE OF ADVANCED STUDY IN EDUCATION  
FACULTY OF EDUCATION AND PSYCHOLOGY  
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA  
VADODARA-390 002**

**CERTIFICATE**

This is to certify that the work contained in this thesis titled, '**Development and Implementation of a Multimedia Package to Teach Biology to Std. XII Students**' being submitted by Rayappan Irudayam.SJ, to the Maharaja Sayajirao University of Baroda, Vadodara. Gujarat State, India for the degree of Doctor of Philosophy in Education, is a record of bonafide research work conducted by him under my guidance. The results embodied in the same have not been submitted elsewhere for the award of any degree or diploma. It is further stated that the doctoral research work was conducted fulfilling the requisite attendance criteria as per O. Ph.D.: 3 of The M.S.University of Baroda, Vadodara. He has completed his Thesis titled '**Development and Implementation of a Multimedia Package to Teach Biology to Std. XII Students**' under my guidance. This Thesis is in fulfillment for the award of the degree of Doctor of Philosophy in Education. This is his original work and it fulfills the necessary requirements.

Date: 4<sup>th</sup> May, 2015

**Prof. D.R.Goel**

Place: Vadodara

Guide