



APPLIED PHYSICS DEPARTMENT

FACULTY OF TECHNOLOGY AND ENGINEERING
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
VADODARA – 390 001. GUJARAT, INDIA.
DST-FIST & UGC-DRS Sponsored Department

Date: 31/12/2021

Certificate by the Supervisor

This is to certify that the work incorporated in the Ph.D. thesis entitled
“Study of Optical Properties of Transition/RE Oxide- Polymer
Nanocomposites” submitted by Mr. Dhaval Pravinchandra Hirani
comprises the results of independent and original investigations carried out
by the candidate under my supervision.

Guide

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