

## 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



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## **CERTIFICATE**

This is to certify that work presented in the thesis entitled "Synthesis and Characterization of Glassy and Rubbery Polymer Nanocomposite Membranes", submitted by Mr. Patel Harsh Dineshbhai (Reg. No.: FOTE/1025, dated: 26/02/2020) for the award of the degree of Doctor of Philosophy in Applied Physics, includes the original research work carried out by him under my supervision.

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