

Tel: +91-265-2434188 extn. 415, 212

Fax No – +91-265-2423898



**DEPARTMENT OF APPLIED CHEMISTRY,**  
Faculty of Technology and Engineering,  
**The Maharaja Sayajirao University of Baroda,**  
Post Box No. 51, Kalabhavan,  
VADODARA-390 001, Gujarat, India.

**DST-FIST & UGC SAP Department**

Date: 07/10/2024

## **CERTIFICATE**

This is to certify that the research work presented in thesis entitled “**Polymer mediated Metal Nanoparticles and their Applications**” submitted by **Patel Saurav Sureshbhai** (Reg.no. FOTE/1032) for the award of the degree of **Doctor of Philosophy** in **Applied Chemistry** includes the original research work carried out by him under my supervision in the Department of Applied Chemistry, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda, Vadodara-390001, Gujarat, INDIA.

**(Dr. Rakesh K. Sharma)**  
Research Supervisor

**(Prof. P. T. Deota)**  
Head  
Applied Chemistry Department

**(Prof. Dhanesh Patel)**  
Dean  
Faculty of Technology and Engineering