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## CERTIFICATE

This is to certify that the thesis entitled "Metal Nanoparticles Decorated on Carbonaceous Solid Supports: Towards the Development of Heterogeneous Catalysts" submitted by Mr. Dikin S. Patel to The Maharaja Sayajirao University of Baroda, Vadodara for the award of *Ph.D. degree in Applied Chemistry* incorporates the original research work carried out by him under my supervision.

I further certify that the work has not been submitted either partly or fully elsewhere for the award of any degree.

Dr. Chetan K Modi  
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