## **Studies on Nanoparticle Synthesis in Microheterogenous Systems**

A thesis submitted to The Maharaja Sayajirao University of Baroda for the award of the degree of

> Poctor of Philosophy **Chemical Engineering**

> > By

**Amit C. Dhaneshwar** 

**Under the supervision of** Prof. Dr. R. Sengupta



**Chemical Engineering Department Faculty of Technology and Engineering** The Maharaja Sayajirao University of Baroda Vadodara - 390 001 **January 2015**