

# **SILVER NANOPARTICLES AS DRUG DELIVERY SYSTEMS**

**A THESIS**

*Submitted*

*in the partial fulfillment of the requirements for  
the award of the degree of*

**DOCTOR OF PHILOSOPHY**

in

**FACULTY OF PHARMACEUTICAL SCIENCES  
(NANOBIOTECHNOLOGY)**

By

**RAGHUNANDAN DESHPANDE**

[Reg. No. 070PH22A70]



**RESEARCH AND DEVELOPMENT CELL  
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY  
HYDERABAD  
KUKATPALLY, HYDERABAD – 500 085  
INDIA  
JANUARY 2011**