

**STUDY OF STRUCTURE, THERMODYNAMICS
AND PHASE TRANSFORMATION IN Zr-BASED
AMORPHOUS ALLOYS**

A Thesis Submitted to

The Maharaja Sayajirao University of Baroda

for the degree of

Doctor of Philosophy

in

Applied Physics

By

Supriya Kasyap



Condensed Matter Physics Laboratory

Applied Physics Department

Faculty of Technology & Engineering

The Maharaja Sayajirao University of Baroda

Vadodara – 390 001.

September 2016

Dedicated
To
My Beloved
Parents