

# **Development and Evaluation of an FPGA Based Automated System for Thermally and Optically Stimulated Luminescence**

A thesis submitted to

**The Maharaja Sayajirao University of Baroda**

For the award of the degree of

**DOCTOR OF PHILOSOPHY**

in

**APPLIED PHYSICS**

by

**Mundupuzhakal Johnson Kuruvilla**

**Department of Applied Physics  
Faculty of Technology and Engineering  
The M S University of Baroda  
Vadodara- 390 001, Gujarat, India**

**December 2014**