

# **DECLARATION**

I hereby declare that this thesis entitled “**A study on effects of land use, land cover and spatial pattern of urban heat surface temperature in and around Udupi, Karnataka State using Remote Sensing and GIS Technology**”, which is being submitted to the Manipal University, Manipal, Karnataka in partial fulfillment of the requirements for the award of the Degree of Doctor of Philosophy in Physics, is a bonafide record of the research work carried out by me under the supervision and guidance of Dr. Thukaram M, Professor, Department of Physics and Dr. Mohandas Chadaga, Professor and Head, Department of Civil Engineering, Manipal Institute of Technology, Manipal University. No part of this thesis has been presented for any other degree or diploma earlier.

**Usha**  
[Reg. No.100900034]

**Date: 26/08/2016**

**Place: Manipal**