

## **CERTIFICATE**

This is to certify that the thesis entitled “**A STUDY ON WEAKER FORM OF CLOSED SETS IN TOPOLOGICAL AND BITOPOLOGICAL SPACES**”, submitted to the Bharathiar University, in partial fulfillment of the requirements for the award of the Degree of **DOCTOR OF PHILOSOPHY IN MATHEMATICS** is a record of original research work done by **Mr. C. MUKUNDHAN** during the period **2008-2014** of his study in the Research and Development Centre at Bharathiar University, under my supervision and guidance and the thesis has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or other similar title to any candidate of any University.

Date:

**Countersigned**  
**(Director, Research and Development Centre)**

**Signature of the Guide**

## **DECLARATION**

I, **C. MUKUNDHAN** hereby declare that the thesis, entitled “**A STUDY ON WEAKER FORM OF CLOSED SETS IN TOPOLOGICAL AND BITOPOLOGICAL SPACES**”, submitted to the Bharathiar University, in partial fulfillment of the requirements for the award of the Degree of **DOCTOR OF PHILOSOPHY IN MATHEMATICS** is a record of original and independent research work done by me during 2008-2014 under the supervision and guidance of **Dr. N. NAGAVENI**, Associate Professor, Department of Mathematics, Coimbatore Institute of Technology, Coimbatore, and it has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate in any University.

Date:

**Signature of the Candidate**