

## DECLARATION

I hereby declare that the dissertation entitled "**CONNECTEDNESS IN FUZZY TOPOLOGICAL SPACES, L-FUZZY TOPOLOGICAL SPACES AND INTUITIONISTIC FUZZY TOPOLOGICAL SPACES**" submitted to the Avinashilingam University for Women, Coimbatore, in partial fulfillment of the requirements for the award of the **DEGREE OF MASTER OF PHILOSOPHY IN MATHEMATICS** is a record of original research work done by me under the supervision and guidance of **Dr.(Tmt.) G.K.CHANDRIKA**, M.Sc., M.Phil. (Madras), Ph.D. (Bharathiar), Professor, Department of Mathematics, Avinashilingam University for Women, Coimbatore, that is not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or similar title to any candidate of any other university.



**Signature of the Candidate**



**Signature of the Guide**