

CERTIFICATE

This is to certify that the thesis entitled “**Analysis of Δ^* -Closed Sets in Topological Spaces**”, submitted to Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, in partial fulfilment of the requirement for the award of the degree of **Doctor of Philosophy in Mathematics**, is a record of original research work done by **Meena, K.** during the period of the study in the Department of Mathematics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, under my supervision and guidance and the thesis has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or similar title of any candidate of any other University.

**Signature of the
Head of the Department**

Signature of the Supervisor

Signature of the Dean

DECLARATION

I, **Meena, K.** hereby declare that the thesis entitled “**Analysis of Δ^* -Closed Sets in Topological Spaces**”, submitted to Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, in partial fulfilment of the requirement 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 the period under the supervision and guidance of **Dr. K.Sivakamasundari, M.Sc., M.Phil., Ph.D.**, Professor, Department of Mathematics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, and it has not been submitted for the award of any Degree / Diploma / Associateship / Fellowship or similar title of any candidate of any other University.

Signature of the Supervisor

Signature of the Candidate