

CERTIFICATE

This is to certify that the dissertation entitled “**Fuzzy Structures on Z-Algebras**” submitted to the Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, 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 **Sowmiya,S.**, during the period of her study in the Department of Mathematics at 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 other similar title of any candidate of any University.

P. Jeyalaksi
18.11.2020

Signature of the Head of the Department

P. Jeyalaksi
18.11.2020

Signature of the Supervisor

P. Nilayandika
18.11.2020

Signature of the Dean

DECLARATION

I, Sowmiya,S., hereby declare that the thesis, entitled “Fuzzy Structures on Z-Algebras” submitted to the Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, 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 the period under the supervision and guidance of **Dr.P.Jeyalakshmi, M.Sc., M.Phil., Ph.D.**, Professor and Head, Department of Mathematics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, and it has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title of any candidate of any University.

P. Jeyalakshmi
18.11.2020

Signature of the Supervisor

S. Sowmiya
18.11.2020

Signature of the Candidate