


## CERTIFICATE

This is to certify that the thesis entitled "**M<sup>2</sup>/G/1 VACATION QUEUEING MODELS WITH BILEVEL THRESHOLDS, MULTIFARIOUS SERVICES, IMMEDIATE FEEDBACKS AND SERVICE INTERRUPTIONS**" 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 **Mrs.FIJI JOSE, P.**, during the period of her 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 30/8/16.

## DECLARATION

I FIJY JOSE, P., hereby declare that the thesis entitled "**VACATION QUEUEING MODELS WITH BILEVEL THRESHOLDS, MULTIFARIOUS SERVICES, IMMEDIATE FEEDBACKS AND SERVICE INTERRUPTIONS**" submitted to the Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, in partial fulfilment 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.M.IAFTHAB BEGUM** M.Sc., M.Phil., (Annamalai), Ph.D., (Bharathiar), Professor, 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 similar title of any candidate of any other University.

*M.Iafthab Begum*  
Signature of the Supervisor

*Fijy Jose P*  
Signature of the Candidate