

## CERTIFICATE

This is to certify that the dissertation entitled "A STUDY ON CLASSICAL SYMMETRIC TRAVELING SALESMAN PROBLEM " submitted to the Karpagam Academy of Higher Education in partial fulfilment of the requirements for the award of the degree of **Bachelor of Science in Mathematics** is a bonafide record of original research work done by **SWAMI SUNDAR M R** during the period 2019 -20 of their study in the Department of Mathematics at Karpagam Academy of Higher Education, Coimbatore, under my supervision and guidance and the dissertation has not formed the basis for the award of any Degree/Diploma/Associate/Fellowship or similar title to any candidate of any University.

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