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**CERTIFICATE**

I certify that the thesis entitled **CONTRIBUTIONS TO THE OSCILLATORY AND ASYMPTOTIC BEHAVIOR OF NONLINEAR NEUTRAL TYPE DIFFERENCE EQUATIONS** submitted for the award of the Degree of **Doctor of Philosophy in Mathematics** by **Mr.G.AYYAPPAN** is the record of research work done by him during the study under my guidance and supervision, and that the thesis has not formed the basis for the award of any degree, diploma, associateship, fellowship, titles in this or any other University or other similar Institution of higher learning.

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(Dr R.Arul)

**Signature of the Supervisor**