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**CERTIFICATE**

I certify that the thesis entitled **OSCILLATORY AND ASYMPTOTIC BEHAVIOR OF SECOND ORDER NEUTRAL TYPE DIFFERENTIAL EQUATIONS** submitted for the award of the Degree of **Doctor of Philosophy** in **Mathematics** by **Mrs.V.S.SHOBHA** is the record of research work done by her 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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**Signature of the Supervisor**

**(Dr.R.ARUL)**