

CERTIFICATE

This is to certify that the thesis entitled “**CERTAIN INVESTIGATIONS ON NODE CENTRIC COMMUNITY DETECTION IN SOCIAL NETWORK**” submitted to the Bharathiar University, in partial fulfillment of the requirements for the award of the **Degree of Doctor of Philosophy in Computer Science** is a record of original research work done by **K. Sathiyakumari** during the period September 2011 to March 2019 of her study in the Department of Computer Science at PSGR Krishnammal College 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.

Countersigned

Signature of the Guide

Head of the Department

Principal

DECLARATION

I, **K. Sathiyakumari** hereby declare that the thesis, entitled “**CERTAIN INVESTIGATIONS ON NODE CENTRIC COMMUNITY DETECTION IN SOCIAL NETWORK**” submitted to the Bharathiar University, in partial fulfillment of the requirements for the award of the **Degree of Doctor of Philosophy in Computer Science** is a record of original and independent research work done by me during September 2011 to March 2019 under the Supervision and Guidance of **Dr. (Mrs.) M.S. Vijaya**, Associate Professor and Head, Department of Computer Science at PSGR Krishnammal College for Women, Coimbatore and it has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate in any university.

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CERTIFICATE OF GENUINNESS OF THE PUBLICATION

This is to certify that the Ph.D. candidate Ms. **K. Sathiyakumari** working under my supervision has published a research article in the refereed journal named **Journal of Advanced Research in Dynamical and Control Systems** with Volume No **10** Page Numbers **706-715** and year of publication **2018** published by **Institute of Advanced Scientific Research**. The contents of the publication incorporate part of the results presented in her thesis.

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Research Supervisor

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1	Name of the Research Scholar	K. SATHIYAKUMARI
2	Course of study	M.Phil., / Ph.D.,
3	Title of the Thesis / Dissertation	CERTAIN INVESTIGATIONS ON NODE CENTRIC COMMUNITY DETECTION IN SOCIAL NETWORK
4	Name of the Supervisor	DR. M. S. VIJAYA
5	Department / Institution/ Research Centre	computer science P.S.G.R. Krishnammal college for women
6	Acceptable Maximum Limit	30 %
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M. S. Vijaya

Signature of the Supervisor
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