

*Certificate*

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## CERTIFICATE FROM THE SUPERVISOR

I certify that the dissertation entitled “**IMPROVED NAVIGATIONAL PATTERN PREDICTION IN WEB USAGE MINING USING FLAME ALGORITHM**” submitted for the degree of **Master of Philosophy (M.Phil.)** by **NANDHINI.T** is the record of research work carried out by her during the period from **September 2015 to August 2016** under my guidance and supervision, and that this work has not formed the basis for the award of any Degree, Diploma, Associate ship, Fellowship or other Titles in this University or any other University or Institution of Higher Learning.

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**Signature of the Supervisor with Designation**

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