

# Declaration of Authorship

This is to certify that the work presented in this thesis is the outcome of the analysis and experiments carried out by Macesha Tasmeeem Meem, Riyad-E-Al Muhafiz and Shadid Intisar Quasem under the supervision of Dr. Abu Raihan Mostofa Kamal, Professor of Department of Computer Science and Engineering (CSE), Islamic University of Technology (IUT), Gazipur, Dhaka, Bangladesh. It is also declared that neither this thesis nor any part of it has been submitted anywhere else for any degree or diploma. Information derived from the published and unpublished work of others have been acknowledged in the text and a list of references is given.

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