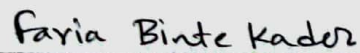# Declaration of Authorship

This is to certify that the work presented in this thesis is the outcome of the analysis and experiments carried out by Tasmia Binte Sogir, Faria Binte Kader and Nafisa Hossain Nujat under the supervision of Professor Dr. Kamrul Hasan and Mohsinul Kabir, Assistant Professor, Department of Computer Science and Engineering (CSE), Islamic University of Technology (IUT), Dhaka, Bangladesh. It is also declared that neither of this thesis nor any part of this thesis has been submitted anywhere else for any degree or diploma. Information derived from the published and unpublished work of others has been acknowledged in the text and a list of references is given.
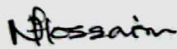
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