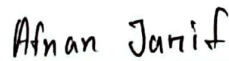# Declaration of Authorship

This is to certify that the work presented in this thesis represents our own research and intellectual contributions of Asfi Rahman, Afnan Jarif and Tasfia Tabassum Prima under the supervision of Lutfun Nahar Lota, Assistant Professor, Department of Computer Science and Engineering, Islamic University of Technology (IUT). It is also declared that this thesis has not been submitted in its whole or in part for any academic qualification. All the sources of information used and referenced from published or unpublished work of others have been duly acknowledged and cited.

Author:

Asfi Rahman
Std Id: 180042116

Afnan Jarif
Std Id: 180042139

Tasfia Tabassum
Std Id: 180042118

Supervisor:

29.05.23

Lutfun Nahar Lota
Assistant Professor
Department of Computer Science and Engineering
Islamic University of Technology