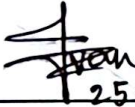


Declaration of Candidate

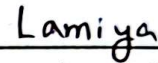
This is to certify that the work presented in this thesis is the outcome of the analysis and experiments carried out by **Lamiya Tahsin Orpa**, **Rahanuma Ryaan Ferdous**, and **Umme Tasnim Hasan** under the supervision of **Dr. Md. Hasanul Kabir**, Professor and Head of the Department, Department of Computer Science and Engineering and co-supervision of **Shahriar Ivan**, Lecturer, Department of Computer Science and Engineering, Islamic University of Technology, 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 Information derived from the published and unpublished work of others have been acknowledged in the text and a list of references is given.



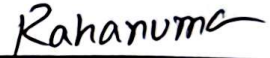
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