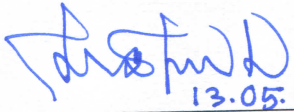


CERTIFICATE OF APPROVAL

The thesis titled "Joint Power Control and Resource Allocation for D2D Communications underlying Cellular Networks" submitted by Faisal Hussain, St. No. 171041013 of Academic Year 2017-18 has been found as satisfactory and accepted as partial fulfillment of the requirement for the degree Master of Science in Computer Science and Engineering on May 13, 2022.

Board of Examiners:



13.05.22

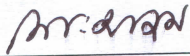
Dr. Muhammad Mahbub Alam
Professor
Department of Computer Science and Engineering,
Islamic University of Technology (IUT), Gazipur.

Chairman
(Supervisor)



Dr. Abu Raihan Mostofa Kamal
Professor, and Head
Department of Computer Science and Engineering,
Islamic University of Technology (IUT), Gazipur.

Member
(Ex-Officio)



Dr. Md. Azam Hossain
Assistant Professor
Department of Computer Science and Engineering,
Islamic University of Technology (IUT), Gazipur.

Member



Dr. Md. Mamun-Or-Rashid
Professor,
Department of Computer Science and Engineering,
University of Dhaka, Bangladesh.

Member
(External)

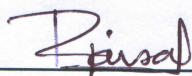
Declaration

I hereby declare that this dissertation entitled **Joint Power Control and Resource Allocations for Device-to-Device Communication underlaying Cellular Networks** was carried out by me for the degree of **Masters of Science in Computer Science and Engineering**, MSc in CSE, under the guidance and supervision of Prof. Dr. Muhammad Mahbub Alam, Islamic University of Technology, Gazipur, Dhaka, Bangladesh.

The findings put forth in this work are based on my research and understanding of the original works and they are not published anywhere in the form of books, monographs or articles. The other books, articles and websites, which I have made use of are acknowledged at the respective place in this thesis.

For the present thesis, which I am submitting to the University, no degree or diploma or distinction has been conferred on me before, either in this or in any other University.

Author



Faisal Hussain
Student ID: 171041013

Date: 13.05.22