Department of Electrical and Computer Engineering

North South University

Senior Project Design

PanNuke: Semi Automatically Generated Tissue Nuclei Instance Classification and Segmentation using Deep Learning Algorithms

Team Members

NAME	ID
1. Faria Rahman Brishty	1721419042
2. Umme Honey Walid Nasha	1512674642

Faculty Advisor

Dr. Mahdy Rahman Chowdhury

Associate Professor

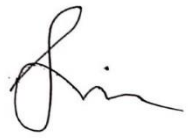
Department of Electrical and Computer Engineering

North South University, Dhaka, Bangladesh

Summer'21

Declaration

This is to declare that no part of this report or the project has been previously submitted elsewhere for the fulfillment of any other degree or program. Proper acknowledgement has been provided for any material that has been taken from previously published sources in the bibliography section of this report.



Faria Rahman Brishty
BS in Computer Science & Engineering
Department of Electrical and Computer Engineering
North South University, Bangladesh

Umme Honey Walid Nasha
BS in Computer Science & Engineering
Department of Electrical and Computer Engineering
North South University, Bangladesh

Approval

The Senior Design Project entitle "PanNuke: Semi Autometically Generated Tissue Nuclei Instance Classification and Segmentation using Deep Learning Algorithms" by Faria Rahman Brishty and Umme Honey Walid Nasha has been accepted as satisfactory and approved for partial fulfillment of the requirement of BS in CSE degree program.

Supervisor's Signature

Dr. Mahdy Rahman Chowdhury
Associate Professor
Department of Electrical and Computer Engineering
North South University
Dhaka, Bangladesh.

Chairman's Signature

Dr. Mohammad Rezaul Bari
Associate Professor & Chair
Department of Electrical and Computer Engineering
North South University
Dhaka, Bangladesh.

Acknowledgement

First of all, we would like to express our profound gratitude to our honorable course instructor, Dr. Mahdy Rahman Chowdhury (Associate Professor, Department of Electrical and Computer Engineering, North South University), for his constant and meticulous supervision, valuable suggestions, his patience and encouragement to complete this research.

We would like to thank everybody who supported us and provided with guidance for the completion of this project.