Predicting Post-Procedural Complications Using MIMIC-III

Master of Science in Data Science

Faisal Maqbool

MSDS17027

Session: 2017 – 2019

DEPARTMENT OF COMPUTER SCIENCE

INFORMATION TECHNOLOGY UNIVERSITY

LAHORE, PAKISTAN

Predicting Post-Procedural Complications Using MIMIC-III

A thesis submitted in partial fulfillment of the requirements for the
Degree of Master of Science in
Data Science

Faisal Maqbool

Dr. Saeed Ul Hassan

Dr. Agha Ali Raza
Dr. Waqas Sultani

Declaration

This thesis is a presentation of my original research work. Wherever contributions of others are involved, every effort is made to indicate this clearly, with due reference to the literature, and acknowledgement of collaborative research and discussions. I also declare that this work is the result of my own investigations, except where identified by references and free from plagiarism of the work of others.

Signature: ………….…….

Faisal Maqbool

Date: ……………..…....

The undersigned hereby certify that they have read and recommend the thesis entitled "Predicting Post-Procedural Complications Using MIMIC-III" by Faisal Maqbool for the degree of Master of Science in Data Science.

‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾

Dr. Saeed Ul Hassan (ITU), Thesis Supervisor

‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾

Dr. Agha Ali Raza (ITU), Committee Member

‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾

Dr. Waqas Sultani (ITU), Committee Member

‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾

Dr. Faisal Kamiran (ITU), Chairperson of the Department