



**INFORMATICS
INSTITUTE OF
TECHNOLOGY**

INFORMATICS INSTITUTE OF TECHNOLOGY
In Collaboration with
UNIVERSITY OF WESTMINSTER

**Real-Time Abdominal Organs Classification in Ultrasound Using
Deep Learning**

A dissertation by
Chadith Dissanayaka
W1867584 | 20210461

Supervised by
Pushpika Prasad Liyanaarachchi

Submitted in partial fulfilment of the requirements for the BEng (Hons.) in Software
Engineer degree at the University of Westminster.

April 2025

DECLARATION

I hereby affirm that this thesis is the result of my own independent research and work. It has not been submitted, nor is it currently under consideration, for any degree or academic award at any other institution. Any ideas, concepts, or materials sourced from other authors have been appropriately acknowledged and referenced throughout this document. This declaration covers all research and content presented within this thesis, underscoring my commitment to maintaining academic integrity and adhering to the highest standards of scholarly research.



Signature:

Date: 14th of April 2025

Student Name: Chadith Dissanayaka

Registration Number: w1867584/ 20210461

The above Student carried out his research project under my supervision.



Signature:

Name of the Supervisor: Pushpika Prasad Liyanaarachchi

Date: 14th of April 2025