

EE 4065 – Embedded Digital Image Processing

Homework 6

Due: January 15, 2026. 23:59 pm

- Form a GitHub repository for the course with your course partner. Do not share it with your friends.
- You will post your homework documents (report, codes, results) via this repository for grading.

Implement the below end of chapter application from the book below. Please use the mentioned offline data sets there.

C. Ünsalan, B. Höke, and E. Atmaca, *Embedded Machine Learning with Microcontrollers: Applications on STM32 Boards*, Springer Nature, ISBN: 978-3031709111, 2025

Q1-) (100 points) Section 13.7 Application: Handwritten Digit Recognition from Digital Images
Use all the mentioned CNN models (SqueezeNet, EfficientNet,...) in the course.