EE 4065 – Embedded Digital Image Processing
Homework 4

Due: January 2, 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 applications 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-) (50 points) Section 12.8 Application: Keyword Spotting from Audio Signals

Q2-) (50 points) Section 12.9 Application: Handwritten Digit Recognition from Digital Images