

Sem 2, 2022/2023

KIE 4025 Assignment (20%).

- 2 to 3 students in a group.
- You need to highlight the contribution from each group member on the report cover
- Please submit a scientific report (maximum 20 pages excluding Appendix) via Spectrum.
- Please include the references in Appendix 1 and source codes in Appendix 2
- Submission Deadline is Friday of Week 14.

Assignment

Facial recognition is the process of identifying or verifying the identity of a person using their face. It captures, analyzes, and compares patterns based on the person's facial details. The face detection process is an essential step as it detects and locates human faces in images and videos. The face capture process transforms analogue information (a face) into a set of digital information (data) based on the person's facial features. Then, the face match process verifies if two faces belong to the same person.

Develop a face recognition system that can identify at least 3 people simultaneously using pattern recognition methods. Then, evaluate the proposed pattern recognition methods by applying suitable methods of assessment. Your report should include literature reviews, methodology, results and discussion, conclusion. Your report should not exceed 20 pages. The codes can be attached in the Appendix.