# IT4432E Hệ thống xác thực sinh trắc học

# Tên môn tiếng Anh – Biometric Authentication Systems

Version: 2023.09.01

**Capstone projects**

**Request**

- Students can base a solution on existing research

- Datasets can be downloaded on internet or captured

- A demonstration software is required

- Code and report need to be submitted for evaluation.

**Topics:**

1. 2D Face

<https://github.com/microsoft/DigiFace1M>

<https://mmlab.ie.cuhk.edu.hk/projects/CelebA.html>

1. 3D Face
2. Ear

<https://data.mendeley.com/datasets/yws3v3mwx3/3>

1. Gait silhouette

<https://gait3d.github.io/>

1. Gait pose

<http://www.am.sanken.osaka-u.ac.jp/BiometricDB/GaitLP.html>

1. Gait 3D
2. Fingerprint

<https://www.kaggle.com/datasets/ruizgara/socofing>

1. Vein

<https://www.kaggle.com/datasets/ryeltsin/finger-vein>

1. Iris

<https://www.kaggle.com/datasets/naureenmohammad/mmu-iris-dataset>

1. Dental biometrics

<https://data.mendeley.com/datasets/hxt48yk462/2>