**Cairo University**

**Faculty of Computers and Artificial Intelligence**

**Information Technology Department**

**Third Year (2022-2023)**

**Pattern Recognition**

**Lab-2**

Design a texture classifier model using

-Flickr Material Database (FMD) dataset:

https://people.csail.mit.edu/celiu/CVPR2010/FMD/

“The FMD dataset was constructed with the specific purpose of capturing a range of real world appearances of common materials include: fabric, foliage, glass, leather, metal, paper, plastic, stone, water, and wood. In this database 100 images (in each category, 50 close-ups and 50 regular views) per category, 10 categories “. Train using 70% od the data, test using 30%

-GLCM with different texture features

- KNN classifier (with k=1)

-Report your accuracy