**Eyfad project – Database of Handwritten Arabic words**

Version 1.0 (August 2020 Release)

The eyfad project is one of the projects of the Data Science special Interest Group that aspires to build an Arabic handwritten database. The database contains handwritten Arabic text images and its ground-truth developed for research in the area of Arabic handwritten text.

**Overview:**

* Over 4636 words written by different writers.
* 436 folders containing images of words written by different writers, each covering all Arabic characters.
* All data are scanned using a resolution of 300 dpi (b/w).
* Writers are from different gender, age groups, handedness and education level.
* Natural writings with unrestricted writing styles.
* Use an algorithm to cut A4 page.

**Eyfad v1.0 Database Details**

The current version of the database contains the following:

1. **Folder Name:** زكريا

As shown in figure 1, the name of the folder depends on the name of the word of the word. If the word is "زكريا" so, the name of the folder is "زكريا" and it contains all "زكريا" words written by different writers.

A screenshot of a cell phone

Description automatically generated

Figure 1

1. **Image Name:** 0050001011041\_1.tiff

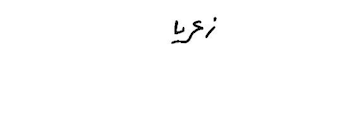


Figure 2

This image name divided into five section each contain unique number Identified the image.

**Metadata:**

Word: زكريا

Volunteer Identifier: 1041

Image Name: 0050001011041\_1.tiff

Number of letters: 5

Number of dots: 3

Position of letters: 11-22-10-28-1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Initiative number | Template number | The number of times the template was written | Volunteer Identifier | Image number in the folder |
| 005 | 0001 | 01 | 1041 | \_1 |