****Cairo University

Faculty of Engineering

Electronics and Electrical Communications Engineering Dept.

|  |
| --- |
|  |
| ALQALAM |
|  |
| Dr. Hossam Fahmy |

hfahmy@arith.stanford.edu

|  |  |
| --- | --- |
| Student Names | Student E-mail Addresses |
| Aya Abdel Salam Elgizi | Yoyo\_4af@yahoo.com |
| Mona Rabei Mohammed | Monmon4x@yahoo.com |
| Mai Abdo Shaaban | Reader\_nosha22@yahoo.com |
| Maiada Fathy Abd-Allah | Eng\_2011\_elec@yahoo.com |

ALQALAM

Dr. Hossam Fahmy

**Abstract:**

ALQalam project is an innovative way to produce a high quality Arabic text on both printed text and on display on computers. It aims to mimic calligrapher hand using metafont programming language to design the characters.

We already had most of characters forms from alqalam 2010 but they had some problems. This year, we hope that we have finished most of these problems which will lead to increase the quality of characters. We know that the characters taken individually but font taken globally so we made a small text to ensure that all characters are homogeneous with each other. Also we formed diacritics and made an algorithm for their placement above or below the characters.

Finally, we did a survey to test the acceptability of the people of this new calligraphy.

**CONCLUSION:**

This year, we modified the Arabic characters and we added dots and diacritics.

We are now able to produce Arabic text with high quality calligraphy with diacritics.

We make survey between ALQALAM 2011 and TRADITIONAL ARABIC in word.