

ATLC

Announces its 2nd year

Graduation Project Sponsorship Program

Microsoft Research

Advanced Technology Lab Cairo

Will sponsor selected Graduation Projects by providing the following:

1. NLP track: Access to Arabic NLP Tool Kit and required software.
2. Kinect track: Kinect sensors and required software.

In addition to 2,000 EGP grant for each team

Final Competition
Best project will be awarded
10,000 EGP

To Apply: Complete the attached application form and send it to the following email address:

atlc-contacts@microsoft.com

Deadline to submit it
October 31st 2012

NLP

Kinect

“ ”

TreeBank-based Parser for Arabic Sentences

Implement a Phrase-based Probabilistic Parser for Arabic sentences (Modern Standard Arabic), where the grammar is induced from the Arabic Penn TreeBank Corpus, and Unseen words are resolved through ATK 's Morph engine and POS Tagger



Object Recognition

Scenarios/games/ideas around using object recognition with Kinect



Controlling home devices

Scenarios/games/ideas around controlling home devices with Kinect



Shallow Semantic Parser for Arabic Sentences

Implement a shallow semantic Parser for Arabic Sentences, that would automatically label phrases with semantic roles, using ATK's components and publicly free ontologies/ knowledge bases



Desktop Control

Ideas using Natural User interface of Kinect for command and control of your desktop



Emotions Detection for Arabic text

Detect emotions in any Arabic text and classify it as Angry, Happy, Sad, Fear, Surprise, disgusted. Use ATK to extract relevant features



Multimedia

Innovative ideas using Kinect for dealing with multimedia content