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

To Apply: Complete the attached application form and send it to the following email address:
atlc-contacts@microsoft.com

Deadline to submit
October 31st 2012

NLP

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

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

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

Kinect

Object Recognition
Scenarios/games/ideas around using object recognition with Kinect

Controlling home devices
Scenarios/games/ideas around controlling home devices with Kinect

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

Multimedia
Innovative ideas using Kinect for dealing with multimedia content