**SYSADD1**

(Project/Research Status Report)

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Using NLP to Analyze Cyberbullying

**Project Summary:**

Rapid technological advancement paved the way for cyberbullying to become rampant specifically among the younger population (aged 10-19). Studies claim that people belonging to that particular age group tend to act rashly due to their immaturity. They find it difficult to notice the risk that they are placing amongst themselves or towards the rest of their peers until the problem has completely gone at hand. Therefore, our team came up with the idea of using the Natural Language Processing technology in order to analyze trends of cyberbullying in a particular social media website in its initial stage and report them immediately to the moderators with the hope of preventing these aforementioned occurrences from becoming serious.

**Overall Project Health and Percent Complete:**

This project is about 10% complete (considering that the Introduction and the Review of Related Literature framework had already been laid)

**Milestones and Deliverables:**

* Current percent complete: 15%
* Planned start: January 2016
* Planned finish: March 2017
* Actual start: March 2016
* Actual finish: -----

**Issue and Risk Management:**

Issues

* Lack of studies conducted around this specific topic here in the Philippines
* Lack of tools and resources needed in order to make the system development phase faster and efficient
* Lack of experts (in the field of NLP) available

Risks

* The team might take some time in learning, and more importantly, grasping the facts needed in the said field of study
* Major changes may take place in the formation of the physical components of the system (this will mostly be due to cost or accessibility)

**Team Progress:**

Tasks Scheduled for Last Week:

* Create an appointment with the main project adviser
* Research more on cyberbullying. Focus on its effects on Filipino adolescents
* Research for convenient ways or procedures in the development of the system
* Look for posts where cyberbullying is evident in selected social media sites
* Present numbered facts about cyberbullying in the Philippines
* Edit the paper that was passed on SNTSDEV. Narrow the information written there (from cyberbullying in general to cyberbullying in the Philippines)

Tasks Completed Last Week:

* Met with the team’s project adviser and had him mail our chosen subject matter experts ( Mr. Nathaniel Oco and his team) to get us connected with them
* Acquired numbered facts or statistics with regard to cyberbullying in the Philippines
* Discovered web scraping – an important mechanism for the acquisition of the data to be used in our corpus
* Found a particular page where cyberbullying is fairly abundant (APC Secret Files Facebook Page etc.)
* Acquired a documentation for the annotation of the corpus

Tasks Scheduled for Next Week:

* Continue to look for more subject matter experts (in the field of psychology and NLP)
* Check other social media websites’ cyberbullying content
* Continue with the editing of the paper