

**Project Status Report**



**Project Name:** Using NLP to Analyze Cyber bullying

**Department:** School of Computing and Information Technology (SoCIT)

**Focus Area:** Philippines – Social Media

**Product/Process:** Social Media Site Plug-in



**Prepared By:**

|  |  |
| --- | --- |
| **Document Owner(s)** | **Project/Organization Role** |
| Samantha Mallari | Project Manager |
| Faith Ballesteros | Documentations Manager |
| Eva Samillano | Documentations Manager |

**Project Status Report Version Control**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Change Description** |
| 1.0 | 06/28/16 | Samantha Mallari | Document created |
| 1.3 | 07/19/16 | Samantha Mallari | * Major edits (thesis paper) * Web scraped selected social media sites * Started annotating the corpus dataset |
|  |  |  |  |

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# PROJECT STATUS REPORT PURPOSE

The Project Status Report is a document that Project Managers may use as a means of formal regular reporting on the status of a project to key project stakeholders.



# PROJECT STATUS REPORT TEMPLATE

## Project Status Report Details

* **Status of the Project**
  + This project aims to create a plug-in that can automatically detect cyberbullying trends in the background (while the main program is running) among social media posts with the help of predefined patterns
  + Milestone deliverables that were required last period includes the thesis paper requirements and the system requirements
  + The team is planning on creating a working prototype by the end of the term therefore the milestones set for this week are now centered towards the system. Failure to comply with the said milestones on time can affect the feasibility of the proposed output (for the term)
* **Risk Management Report**
* The major risks that the group had foreseen so far are the ones which pertain to the system’s major requirements (algorithms and processing engines) in order for it to work
* **Issues Report**
* The main issues that the team are currently dealing with pertains to the lack of tools and resources available in the field of Natural Language Processing
* **Project Recommendations**
* Researchers who would want to have a take on an NLP related project must learn to exercise cooperation and teamwork all throughout the whole project making process. They are also advised to seek people who can be of help to them as early as possible with regard to this field. Likewise, they can teach more languages to their machine learning systems in order to produce a more improved system.

## Project Status Report Template

|  |  |  |
| --- | --- | --- |
| Project Name | | |
| Prepared by:  Samantha Mallari | Date:  07/19/16 | Reporting Period:  07/19/16 to 07/26/16 |
| Project Overall Status:  This project is currently undergoing the Systems Design phase. The team was able to develop tentative UML diagrams in order to showcase their proposed system’s form, and have it checked by their Subject Matter Expert (SME) and Project Advisers. Apart from that, the team has also began working on the collection and annotation of all the data to be included in the corpus. | | |
| Project Summary:  The editing of the initial paper (that was passed last semester) is still being continued together with the aforementioned activities. However, establishing the design of their system is still the team’s current priority as of this period.. | | |
| **Milestone Deliverables performance reporting over last period**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone Deliverables** | **Due Date** | **% Completed** | **Deliverable Status** | | Thesis Paper Requirements (Milestone 1) | | | | | * Edited Introduction | ----- | 90% | On Schedule | | * Edited Review of Related Literature | ----- | 95% | On Schedule | | * Theoretical Framework | 07/12/16 | 20% | Behind Schedule | | System Requirements (Milestone 2) | | | | | * Web Scraped Selected Social Networking Sites (to obtain initial data) | 07/15/16 | 100% | On Schedule | | * Researched on NLP-based Text Annotation Tools | 07/15/16 | 100% | On Schedule | | * Formulate 13 UML Diagrams (tentative) | 07/14/16 | 100% | On Schedule | | | |
| **Milestone Deliverables scheduled for completion over next period**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone Deliverables** | **Due Date** | **% Completed** | **Deliverable Status** | | Thesis Paper Requirements (Milestone 1) | | | | | * Edit Introduction | 07/21/16 | 90% | On Schedule | | * Edit Review of Related Literature | 07/21/16 | 95% | On Schedule | | * Pass Another Theoretical Framework (subjected for approval) | 07/22/16 | 20% | On Schedule | | System Requirements (Milestone 2) | | | | | * Study BRAT Annotation Tool and Start with the Annotation | 07/29/16 | ----- | On Schedule | | * Research on Open Source Machine Learning Systems | 08/05/16 | ----- | On Schedule | | * Research on How the Plug-in will be Incorporated with the Machine Learning System | 08/05/16 | ----- | On Schedule | | | |
| **Project impact of milestone success or failure for project remainder**   |  |  | | --- | --- | | The milestones to be accomplished are now system-centered. The team is planning to create a working prototype by the end of the term. However, the thesis paper revisions will still be continued. | The annotation of the corpus will be extended for two more weeks since the team had encountered difficulty in terms of the installation of the tool. | | | |
| **Project** **Budget/Financial Status**   |  |  |  |  | | --- | --- | --- | --- | | **Budget Item** | **Planned Budget** | **Actual Cost** | **Variance/Explanation** | |  |  |  |  | |  |  |  |  | | | |
| **Project Risk Management Status**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Risk and Description** | **Risk Chance** | **Risk Impact** | **Risk Priority** | **Change from Last Review** | | Studying NLP-related algorithms   * Support Vector Machines * Classification Algorithms | High | High | High | ----- | | Major revisions to be done on the system as the project-making process continues   * Machine-learning System * Database | High | High | High | ----- | | | |
| **Project Issue Management Status**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Issue and Description** | **Project Impact** | **Target Due Date** | **Issue Status** | **Issue Resolution** | | Lack of NLP studies conducted in the Philippines   * Very few predefined Tagalog corpora available * Few printed resources (books, research papers, etc.) available | Medium | 08/10/16 | Open | The team had been relying on information available on the internet and several people who are experts on the field (NLP), however they are still experiencing some difficulties since most of these resources are not built to solve problems that occur in the typical Filipino setup | | Insufficient tools available   * The interface of different data annotation tools * Limited open source tools | Medium | 08/05/16 | Open | [Description]  The team used an annotation tool based on the past research conducted in the same field. | | | |
| **Project Recommendations**   |  | | --- | | * Start looking for an expert in the field of NLP as soon as possible * The team members must learn to focus on one goal * Future researchers may opt to add more languages to detect cyberbullying trends in * They should value team work and cooperation | | | |
| **Objectives for Next Project Status Review**   |  | | --- | | The team members must obtain ample knowledge with regard to the working system | | | |
| **Related Project Information**   |  | | --- | | ----- | | | |



# PROJECT STATUS REPORT APPROVALS

**Prepared by** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Manager

**Approved by** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Advisor

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Client Sponsor



# APPENDICES

## Document Guidelines

## Project Status Report Sections Omitted

