

**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:** Plug-in (designed to be compatible with a specific social media site)



**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 |
| 1.3.1 | 08/02/16 | Samantha Mallari | * Filled up all of the parts of the thesis paper * Currently annotating the corpus dataset |
| 1.3.2 | 08/09/16 | Samantha Mallari | * Made some edits in the Technical Background and Design and Methodology part of the paper * Continued annotation of the dataset (using GATE) |
| 1.3.3 | 08/16/16 | Samantha Mallari | * Made some edits in the Technical Background and Design and Methodology part of the paper * Continued annotation of the dataset (using GATE and BRAT) |

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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 social media posts with the help of predefined patterns while running in the background
  + Milestone deliverables that are expected to be accomplished during the final stages of this project includes the system and research paper requirements
  + The researchers are planning on creating a working prototype by the end of the term, therefore the milestones that will be set for the succeeding weeks will greatly focus on the system’s initial requirements (in order for it to function properly). Failure to deliver a milestone can affect the feasibility of the proposed output (for the current term)
* **Risk Management Report**
* The major risks that the group had foreseen so far are the ones pertaining to achieving the system’s major requirements (algorithms and processing engines)
* **Issues Report**
* The main issues that the team are currently dealing with revolves around the lack of accessible 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 with regard to this field as early as possible. Lastly, they can train their machine learning systems in understanding two or more human languages in order to produce an improved system in the future.

## Project Status Report Template

|  |  |  |
| --- | --- | --- |
| Project Name | | |
| Prepared by:  Samantha Mallari | Date:  08/16/16 | Reporting Period:  08/16/16 to 08/23/16 |
| 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 would like to constantly have them checked by their Subject Matter Expert (SME) and project adviser. Apart from that, the team continued to work on with the annotation of all the data included in the corpus and tabulation of the said data’s statistics to be used in building a model for detecting cyberbullying trends in public social media posts. | | |
| Project Summary:  The editing of the initial paper (that was passed last semester) is still being continued together with the aforementioned activities. Its current progress had grown for up to 25% last week. 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) | | | | | * Ask about the Theoretical Framework | 08/24/16 | ----- | On Schedule | | * Focus on the editing of the Theoretical Background and Design and Methodology | 08/24/16 | 70% | On Schedule | |  |  |  |  | | System Requirements (Milestone 2) | | | | | * Continue researching on Open Source Machine Learning Systems and their algorithms | 08/22/16 | 40% | On Schedule | | * Research more on how the plug-in will be incorporated with the machine learning system | 08/22/16 | ----- | On Schedule | |  |  |  |  | | | |
| **Milestone Deliverables scheduled for completion over next period**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone Deliverables** | **Due Date** | **% Completed** | **Deliverable Status** | | Thesis Paper Requirements (Milestone 1) | | | | | * Focus on the editing of the Theoretical Background and Design and Methodology | 08/24/16 | 70% | On Schedule | | * Review paper for possible changes (especially in the UML diagrams) | 08/22/16 | ----- | On Schedule | | * Ask about the Theoretical Framework | 08/24/16 | ----- | On Schedule | | System Requirements (Milestone 2) | | | | | * Study BRAT annotation tool | 08/22/16 | ----- | On Schedule | | * Create a tabulated data based from the result of the annotation | 08/22/16 | ----- | On Schedule | | * Study Linear Support Vector Machine and Genetic Algorithm | 08/22/16 | 10% | 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 establish a profound design for the system (which will be carried on towards CSPROJ). On the other hand, thesis paper revisions will still be continued. | . | | | |
| **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 and machine learning-related algorithms | High | High | High | ----- | | Major revisions to be done on the system as the project-making process continues   * Machine-learning System (which one to use?) * Database (how will the database be arranged?) | 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 | ----- | Open | The team had been relying on information available on the internet and from several people who are experts on the said field (NLP), however they are still experiencing some difficulties since most of these resources are not built to solve problems that occur in a typical Filipino setup | | Insufficient tools available   * Limited open source tools | Medium | ----- | Open | The team used another text annotation tool that is easier to work with compared to the one that has been utilized by the people who conducted previous related researches (on using NLP to detect cyberbullying trends in social media posts) | | | |
| **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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# APPENDICES

## Document Guidelines

## Project Status Report Sections Omitted

