

**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:** Research



**Prepared by:**

|  |  |
| --- | --- |
| **Document Owner(s)** | **Project/Organization Role** |
| Samantha Mallari | Project Manager |
| Faith Ballesteros | Documentations Manager |
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**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) |
| 2.0 | 08/23/16 | Samantha Mallari | * Major edits were done in the research paper due to the new knowledge that was discovered by the team regarding NLP * Annotation of the dataset was finalized – which categories will the labeled words fall under, what type of corpus annotation will be used, etc. |

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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

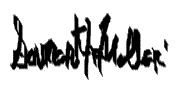
* **Status of the Project**
  + This project aims to test the feasibility of automatically detecting cyberbullying trends in public social media posts with the help of predefined patterns
  + Milestone deliverables that are expected to be accomplished during the final stages of this project includes the research paper requirements
  + The researchers opted to produce a plan for the succeeding steps that they should take in order for the experiment – which determines the possibility of automatically detect cyberbullying occurrences in social media posts - to be successful. The milestones that will be set from today onwards will focus on searching for ways to annotate the team’s dataset in order for it to be utilized in the creation of cyberbullying detection models in the next semester. Failure to deliver a milestone can affect the likelihood of accomplishing the proposed output.
* **Risk Management Report**
* The major risks that the group had foreseen so far are the ones pertaining to achieving their proposed research’s thesis paper requirements
* **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:  08/23/16 | Reporting Period:  08/23/16 to 08/30/16 |
| Project Overall Status:  This project is currently undergoing the corpus (dataset) annotation phase. The team was able to develop tentative UML diagrams in order to showcase their plan for the project’s succeeding phases, and would like to constantly have them checked by their consultant and project adviser. Apart from that, the team began to work on with the researching of the significant tasks to be done for the project’s next phase – feature extraction and testing of the model (through experimentation). | | |
| Project Summary:  The editing of the initial paper (that was passed last semester) was still being continued together with the aforementioned activities. Last week’s progress contributed to the overall percentage of the project completion (currently 40% complete). The team’s priority as of this period is the formulation of an appropriate path for the group to follow in order for them to successfully accomplish their project’s objectives. | | |
| **Milestone Deliverables performance reporting over last 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 | 80% | On Schedule | | * Review paper for possible changes (especially in the UML diagrams) | 08/22/16 | 100% | Accomplished | | * Ask about the Theoretical Framework | 08/24/16 | ----- | On Schedule | | Cyberbullying Detection Model (Milestone 2) | | | | | * Study BRAT annotation tool | 08/22/16 | 100% | Accomplished | | * Create a tabulated data based from the result of the annotation | 08/22/16 | 100% | Accomplished | | * Study Linear Support Vector Machine and Genetic Algorithm | 08/25/16 | 10% | On Schedule | | | |
| **Milestone Deliverables scheduled for completion over next period**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone Deliverables** | **Due Date** | **% Completed** | **Deliverable Status** | | Thesis Paper Requirements (Milestone 1) | | | | | * Finalize research paper | 08/25/16 | 80% | On Schedule | | * Prepare initial documents (to be passed before the project presentation/defense) | 08/25/16 | ----- | On Schedule | | * Prepare the requirements needed for the project presentation/defense (e.g. PowerPoint presentation) | 08/29/16 | ----- | On Schedule | | Cyberbullying Detection Model (Milestone 2) | | | | | * Finalize text annotation tools to use | 08/25/16 | ----- | On Schedule | | * Finalize processes to be done (e.g. which type of annotation to conduct, etc.) | 08/25/16 | ----- | On Schedule | |  |  |  |  | | | |
| **Project impact of milestone success or failure for project remainder**   |  |  | | --- | --- | | The milestones to be accomplished are now research-centered. The team is planning to establish a profound design for the overall activity plan to be followed (which will be carried on towards CSPROJ). | . | | | |
| **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 algorithms for applying NLP concepts in analyzing text | High | High | High | ----- | | Major revisions to be done on the system as the project-making process continues   * As the group continues to further conduct researches, their perspective of the research may change over time | 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 (which were written by Filipino authors) | 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** \_\_\_\_\_\_\_\_\_\_Samantha Mallari\_\_\_\_\_\_\_\_\_\_

Project Manager



**Approved by** \_\_\_\_\_\_\_ Ernesto Boydon \_\_\_\_\_\_\_\_\_\_\_\_\_

Project Advisor

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# APPENDICES

## Document Guidelines

## Project Status Report Sections Omitted

