

**Project Status Report**



**Project Name:** Using Text Classification with SVM to Detect Cyberbullying Trends

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

**Focus Area:** Manila, Philippines – Social Media

**Product/Process:** Research (which will yield a cyberbullying detection model)



**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 | 09/25/16 | Samantha Mallari | Document created |
| 1.1 | 10/02/16 | Samantha Mallari | * Edited the initial parts of the paper (tentative edit) |
| 1.2 | 10/09/16 | Samantha Mallari | * Made some minor edits on the research paper |
| 1.3 | 10/16/16 | Samantha Mallari | * Finished creating the Project Scope and Vision and Statement of Work (SOW) Document |
| 2.0 | 10/23/16 | Samantha Mallari | * Finalized the research paper (inclusive of the changes that the team have done so far with regard to the processes that are to be accomplished during the entirety of the project creation process |

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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

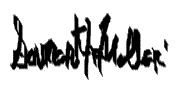
* **Status of the Project**
  + This project aims to create a cyberbullying detection model (of at least 70-80% accuracy) that will be able to automatically detect cyberbullying trends in public social media posts with the help of predefined patterns
  + The tentative project milestones that the team had set for this project are the following: creation of the corpus, annotation of the corpus, text pre-processing, feature extraction, testing and validation (of the model)
  + The group’s expected output for this term includes a more profound research paper which will already establish the final form of the project (or how it is going to implemented and demonstrated to the panel during the final defense)
* **Risk Management Report**
* The major risks that the group had foreseen so far are the ones which pertain to the major requirements needed in the implementation of the cyberbullying detection model (e.g. algorithms), and the possible revision of those requirements
* **Issues Report**
* The main issues that the team are currently dealing with pertains to the lack of simplified resources, explaining how the processes should work and identifying the significance of each process available in the field of Natural Language Processing (most specifically in terms of implementing text classification with the use of the SVM algorithm)
* **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, it is recommended that they allow their machine learning systems to learn more languages or produce a system (e.g. a plugin) which will be incorporated with the model in order to produce a more improved system.

## Project Status Report Template

|  |  |  |
| --- | --- | --- |
| Project Name | | |
| Prepared by:  Samantha Mallari | Date:  10/23/16 | Reporting Period:  10/24/16 to 10/31/16 |
| Project Overall Status:  The group is following the Agile Method towards the accomplishment of their project. During the previous term, the first iteration was implemented. However, the paper still lacked enough information, specifically in terms of the project’s significance and how the cyberbullying detection model will be demonstrated (to serve as proof that it is already a working model) to the panel. This term, another iteration will once again be executed with the hopes of improving the outcome of the previous term’s paper. The team is currently working toward the accomplishment of their first milestone. | | |
| Project Summary:  The team’s project is aimed towards creating a cyberbullying detection model (of at least 70-80%) accuracy which will allow the automated detection of cyberbullying occurrences in public social media posts. This model will be subjected to different tests measured against bases such as Precision, Recall, F-measures, and Kappa Statistics. Results will be recorded in the research paper for future researchers to make use of. | | |
| **Milestone Deliverables performance reporting over last period**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone Deliverables** | **Due Date** | **% Completed** | **Deliverable Status** | | * Edited and finalized the research paper (for Midterm presentation) | 10/22/16 | 100% | On Schedule | | * Prepared a powerpoint presentation (for Midterm presentation) | 10/22/16 | 100% | On Schedule | | * Studied Bag-of-Words and demonstrated how WEKA toolkit handles it | 10/17/16 | 100% | On Schedule | | | |
| **Milestone Deliverables scheduled for completion over next period**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone Deliverables** | **Due Date** | **% Completed** | **Deliverable Status** | | * Have the research paper checked by the project consultant | 10/26/16 | ----- | On Schedule | | * Continue with the researching of appropriate methods to use (in the event that there is still a better alternative available in the internet) | 10/31/16 | ----- | On Schedule | | * Begin with the conduction of the interview (for annotating the statements within the corpus) | 10/31/16 | ----- | On Schedule | | | |
| **Project impact of milestone success or failure for project remainder**   |  |  | | --- | --- | | When all of the project milestones are accomplished during this term (which is the second iteration of the project-making process), the team will be able to finalize the model and the research paper in a span of two terms (including this term). | Failure to comply with the milestone requirements will delay the accomplishment of the project as well as the research paper. | | | |
| **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** | | Revisions to be done on the paper as the project-making process continues | High | High | High | ----- | |  |  |  |  |  | | | |
| **Project Issue Management Status**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Issue and Description** | **Project Impact** | **Target Due Date** | **Issue Status** | **Issue Resolution** | | Lack of profound NLP studies conducted in the Philippines | Medium | 10/24/16 | Open | The team had been relying on the 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 | | Difficulty in acquiring available open source tools | Medium | 10/24/16 | Open | The team was able to get a copy of the names of the tools (open source) from their project consultant, which were used by most researchers in implementing text classification | | | |
| **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 implementation of the cyberbullying detection model | | | |
| **Related Project Information**   |  | | --- | | ----- | | | |



# PROJECT STATUS REPORT APPROVALS



**Prepared by** \_\_\_\_\_\_\_\_\_\_Samantha Mallari\_\_\_\_\_\_\_\_\_\_

Project Manager



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

Project Advisor



# APPENDICES

## Document Guidelines

## Project Status Report Sections Omitted

Project Budget/Financial Status

