

**Project Status Report**



**Project Name:** Cyberbullying Detection Using Support Vector Machine (SVM) Algorithm

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

**Focus Area:** Metro Manila (NCR), Philippines

**Product:** Cyberbullying detection model



**Prepared By:**

|  |  |
| --- | --- |
| **Document Owner(s)** | **Project/Organization Role** |
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**Project Status Report Version Control**

|  |  |  |  |
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| **Version** | **Date** | **Author** | **Change Description** |
| 1.0 | 01/29/17 | Samantha Mallari | Document created |
| 1.1 | 02/05/17 | Samantha Mallari | Added tasks, modified due dates, modified progress percentages (on selected tasks) |
| 2.0 | 02/12/17 | Samantha Mallari | Added tasks, modified due dates, modified progress percentages (on selected tasks), added and modified risks |

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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

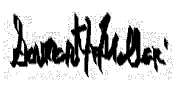
* **Status of the Project**
  + This research-based project aims to develop a cyberbullying detection model capable of detecting textual cyberbullying occurrences in real-time, preferably on a social media type of environment, and procure a tabulated report, which consists of the flagged statement, annotation done by the system, link to the user account that was utilized in posting the statement, and the date and time it was posted, regarding the incident. As of this term, the researchers had selected Asia Pacific College (APC) as their project’s testing ground, therefore the methods to be used for reporting will be based on the college’s standards as defined in the official students’ handbook. That said, procedures to be implemented will only be effective amongst APC students.
  + The milestones that were set for this project (for Term 3 of A.Y. 2016-2017) are as follows: finalize schedules and overall planning strategies, prepare the Wiki documentation, create UML diagrams, develop the user interface (frontend and backend), code the program for the AI, design the database, and document the tests to be done
  + The researchers’ expected output for this term is the cyberbullying detection model demonstrated on a dummy social media site.
* **Risk Management Report**
* The major risks that the researchers had foreseen so far are those that involved creating possible revisions to the original plan for the project development, making adjustments regarding scheduled tasks, etc., and not being able to accomplish certain tasks due to them shifting their project’s focus to research once again – which implies that additional work must be done.
* **Issues Report**
* The main issues that the team have dealt or are currently dealing with involved the lack of related researches conducted in the Philippines, difficulty in acquiring the needed tools for free, lack of team members who are good at programming, and failure of some members to relay daily reports to the project manager.
* **Project Recommendations**
* The team recommended the following procedures to those researchers who would be willing to take on a similar project: detection in various media formats (including images and videos), additional language features, introduction of the idea to a wider audience (e.g. cyberbullying advocates), and lastly, utilization of a better method of obtaining the Filipino people’s perspective towards cyberbullying.

## Project Status Report Template

|  |  |  |
| --- | --- | --- |
| Project Name | | |
| Prepared by:  Samantha Mallari | Date:  02/12/17 | Reporting Period:  02/13/17 to 02/20/17 |
| Project Overall Status:  As of this term, the proponents of this study were able to devise a concrete plan regarding the development of their project until the latter phase (Term 1 of A.Y. 2017-2018). Their research extended from basic Natural Language Processing concepts to in-depth ideas such as their application and relationship to other fields. Likewise, they successfully simulated the detection process with the aid of a cyberbullying detection model within a controlled environment (WEKA toolkit). Their next step is to incorporate this model to a specific type of software development (prototype). | | |
| Project Summary:  This project aims to develop a cyberbullying detection model capable of automatically detecting textual cyberbullying occurrences, and immediately recording the needed data on a database and outputting them respectively in tabular form to serve as an organized report. Since the testing ground will be established in Asia Pacific College, majority of the cyberbullying mitigation processes will depend on the Student’s Handbook – which illustrates all sanctions for both major and minor offenses recognized within the campus. That said, enforced punishments will strictly apply to APC students only. | | |
| **Milestone Deliverables performance reporting over last period**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone Deliverables** | **Due Date** | **% Completed** | **Deliverable Status** | | * Project Status Reports | 04/02/17 | 25% | On time | | * UML Diagrams | 02/12/17 | 95% | Behind Schedule | | * UI Development (Frontend) | 02/08/17 | 95% | Behind Schedule | | * UI Development (Backend) | 02/19/17 | 20% | On time | | * AI Programming | 04/02/17 | ----- | On time | | * Software-specific Documentation | 04/02/17 | ----- | On time | | * Use Cases | 02/12/17 | 50% | Behind Schedule | | * Product Name and Tagline | 02/12/17 | 100% | On time | | | |
| **Milestone Deliverables scheduled for completion over next period**   |  |  |  |  | | --- | --- | --- | --- | | **Milestone Deliverables** | **Due Date** | **% Completed** | **Deliverable Status** | | * Project Status Reports | 04/02/17 | 25% | On time | | * UML Diagrams | 02/19/17 | 95% | On time | | * UI Development (Frontend) | 02/19/17 | 95% | On time | | * UI Development (Backend) | 02/19/17 | 20% | On time | | * AI Programming | 03/18/17 | ----- | On time | | * Software-specific Documentation | 02/19/17 | ----- | On time | | * Use Cases | 02/19/17 | 50% | On time | | * System Architecture Diagram | 02/19/17 | ----- | On time | | * Powerpoint Presentation | 02/19/17 | ----- | On time | | | |
| **Project impact of milestone success or failure for project remainder**   |  |  | | --- | --- | | By the time the aforementioned project milestones were accomplished, the team will be able to provide a cyberbullying detection model accurate enough to detect instances of cyberbullying among textual statements and present reports automatically in real-time | Failure to comply with the milestone requirements will contribute to the delay of the project which will lead to its immediate failure | | | |
| **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** | | Possible revisions to be made on the project (in terms of the methods to be adapted as well as its corresponding documentation) – time constraints and available resources will play a huge role in determining whether or not such revisions will be made | High | High | High | ----- | | A shift from PDLC to SDLC framework – It took a while before the proponents of this study realized that this term is dedicated to software development, therefore they should consider frameworks mainly for the engineering of the software and leave the area of research for a while. Having done so, the team is struggling with the fast-paced software management framework that they have chosen which is the Scrum | High | High | High | It was not until this week that the researchers were informed that they can still push through with their project while opting to focus on the research-based path. Given that, they are going to have to revise all of the documents that they have created during the past few weeks to include the research side of the project once again. | | Message-passing protocol may no longer be included in the product’s main features – Although this is an important aspect with regard to the development of the project, since it will only be done during the latter part (with the AI already encoded and is working appropriately, and the dummy social media site already prepared to accept inputs and display outputs accordingly), there is a high probability that it will no longer be done due to time constraints | HIgh | HIgh | HIgh | ----- | | | |
| **Project Issue Management Status**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Issue and Description** | **Project Impact** | **Target Due Date** | **Issue Status** | **Issue Resolution** | | Lack of research papers published which also aims to use technology to mitigate cyberbullying attacks within the typical Filipino conversation setup in social media | Medium | ----- | Closed | The team was able to acquire a project consultant who turned out to be an expert in the field of NLP and computer science-related researches | | Difficulty in acquiring available open source tools that is easily understandable by novices in the field of NLP | Medium | ----- | Closed | The team made use of WEKA toolkit. Its interface appeared to be intimidating at first, however one member managed to pull through. The entire team learned from the processes that she had done, making everyone familiar with the tool as well | | Lack of team members who are good in programming | High | ----- | Open | Although very few, there are still members who can do decent programming. However, since the software to be developed is quite advanced, the coding process would take a while to be accomplished | | Team members are not doing their task of modifying their respective lists of jobs to be done in Trello, and fails to report to the project manager daily | Medium | ----- | Closed | The project manager sees to it that she was able to ask each of her members via Messenger regarding their assigned tasks every evening. Soon enough, they got accustomed to this habit to the point that they need not to be reminded for them to report their tasks’ progress to her | | | |
| **Project Recommendations**   |  | | --- | | * Make the system detect cyberbullying occurrences not only found within texts but also in images or videos * Make the system detect cyberbullying occurrences in other languages utilized in a typical social media interaction setup involving Filipinos of various ethnicities * Introduce the idea to a larger audience * Introduce the idea to cyberbullying advocates in the country * Execute another method of gathering Filipino people’s insights regarding cyberbullying (e.g. by performing a quick interview this time instead of a survey) | | | |
| **Objectives for Next Project Status Review**   |  | | --- | | To be able to shift the project’s focus back to the research-based side. | | | |
| **Related Project Information**   |  | | --- | | Establishing the fact that Asia Pacific College would play the role of the software development’s testing environment does not equate to the model being limited only to the use of the said institution (since similar processes in cyberbullying detection may apply to various entities). | | | |



# 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

