

**Elephant Learn**

**A sentimental analysis system for Thai stock market**

Executive Summary

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**Document History**

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| **Document Name** | **Version** | **status** | **Date** | **Viewable** | **Editable** | **Responsible** |
| Add Executive summary | ElephantLearn-ES\_v1.0.docx | Draft | July 29th,  2019 | CY, PM, PT | CY, PM | CY, PM |

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**Executive Summary**

**Product Perspective**

Elephant Learn is a web application developed by React JS used as web application and python used to be web service. The core idea of the software is to automatedly scraping text data from Sinthorn section’s comments in Pantip and provide the result of sentimental analysis which admin can delete the negative comments. Moreover, Elephant Learn provides responsive interface showing the result of descriptive and predictive analysis the percentage of the comment and the statistic of the information which is the number of users, date and time of comment in the system.

## **Acronyms**

PMP Project Management Plan

SRS System Requirement Specification

SDD Software Design Document

TR Traceability Record

CR Change Request

ES Executive Summary

CY Chamnol Yin

PM Pakarat Matmarurat

**Progress I**

|  |  |  |
| --- | --- | --- |
| **Project Name: Elephant Learn A sentimental analysis system for Thai stock market** | | |
| **Create By** | **Date** | **Reporting Progress** |
| CY, PM | 4/06/2019 | Proposal |
| CY, PM | 30/07/2019 | Progress I |
| **Project Overview status: 45%** | | |
| **Feature** | **Name** | **Status** |
| 1 | Retrieve comments | 90% |
| 2 | Data cleaning, Data preprocessing, Data analysis | 60% |
| 4 | View statistic | 100% |

**Summary Report**

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Version | Percentage | Status |
| ElephantLearn-Proposal\_v1.0 | V1.0 | 100% | Complete |
| ElephantLearn - PMP\_v1.0 | V1.0 | 100% | Complete |
| ElephantLearn-SRS\_v1.0 | V1.0 | 100% | Complete |
| ElephantLearn-SDD\_v1.0 | V1.0 | 100% | Complete |
| ElephantLearn- TestPlan\_v1.0 | V1.0 | 80% | Incomplete |
| ElephantLearn- TestRecord\_v1.0 | V1.0 | 80% | Incomplete |
| ElephantLearn-TR\_v1.0 | V1.0 | 100% | Complete |
| ElephantLearn-CR\_v1.0 | V1.0 | 100% | Complete |
| ElephantLearn-ES\_v1.0 | V1.0 | 100% | Complete |
| Coding |  | 80% | Incomplete |

**Problems:**

1. The unstable of Pantip website. Since Pantip website is the popular website that has been regular maintenance, thus it was difficult when doing scraping its content. Like the selector of the content of the website is changed. Hence, we must change in our code also.
2. Size of Thai language is huge. Therefore it required more time to do feature 2, such as solve normalization problem, dealing with slang, adding new words, testing, and combining with existing words corpus.
3. First, we didn’t plan to develop the frontend in this progress, but we found it difficult to do Software specification and System testing and displaying our result. Hence it has reduced our expecting time of developing our expected feature. In result, we decide to move feature 3 to be implemented in the next progress.