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**Asia Pacific College**

**School of Computing and Information Technology**

**Magallanes, Makati City**

**Public School Ranking System**

**In Partial Fulfillment of the Requirements for the subject Project Management**

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# **ABSTRACT**

Ranking System is a website that a student’s performance can be enhanced and strengthen with the help of analytics. Through a systematic analysis of data and statistics, the team, together with the client, Department of Education, may focus on student’s performance by viewing how the students perform in their major subjects.

# **INTRODUCTION**

Elementary education is the first part of the educational system, and it includes the first six years of compulsory education from grade 1 to 6, with an optional 7th grade offered by some schools. Major subjects include Mathematics, Science, English, Filipino and Araling Panlipunan. On the other hand, optional subjects include Music, Arts, Physical Education, and Health.

As of School Year 2017-2018, there are 22.9 Million students that are enrolled in public schools in the Philippines and the country’s Department of Education has been doing their job in providing quality education both for private and public sectors. However, there are still room for improvement to advance the education system in the country.

This tool will not be used for comparison of students but will focus more on the strengths and weaknesses of a pupil. By acknowledging and knowing these factors, the teachers, together with their respective schools can keep track of their students’ performance and help them grow in their academics. Also, through this tool, the school may know how well they perform in educating their students.

How do we maximize the use of analytics? The team opted to use Moodle which is an online platform to administer Quarterly Assessment Exams. Each student will have an account and will automatically be enrolled in a course for their respective grade level. Once the students have answered all Quarterly Assessment Exams, the results will then be stored in the admin’s database containing the Student Name, Student ID, Exam Answers, and Answer Key. This database will be connected to the system and analytics would be connected to the team’s system in order to have the table automatically updated.

The team, however, is very much conscious on the budget that will be allocated for the system. The team believes that implementing Moodle in every public school would require a fortune from DepEd. Therefore, another medium that can connect to analytics is the concept of Optical Mark Recognition (OMR) but proposing to replace the costly OMR machine using a regular ADF scanner. To facilitate this, Quarterly Exams are distributed in hard copies and would be scanned for checking. The results would also be extracted from the OMR to the system and would then be displayed on the dashboard for viewing.

# **PROJECT DESCRIPTION**

# **TARGET CLIENT**

# **BRIEF BACKGROUND**

# **PROBLEM STATEMENT**

# **SITUATIONAL ANALYSIS**

# **PROPOSED SOLUTION**

# **EXPECTED OUTCOME**

# **SYSTEM DIAGRAMS AND TABLES**

## Context Level Diagram

A close up of a map

Description generated with high confidence

*Moodle*

A screenshot of a cell phone

Description generated with very high confidence

*OMR*

## Organizational Chart of Program Modules

## Data Flow Diagram

A screenshot of a social media post

Description generated with very high confidence

## Entity Relationship Diagram

## Database Structure / Data Tables

## Data Dictionary

## Screenshots per Module

# **SOURCE CODE LISTINGS**

# **REFERENCES**