

**PESO – SPES E- MANAGEMENT SYSTEM**

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Faculty of the College of Communication and Information Technology  
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Bachelor of Science in Information Technology

By

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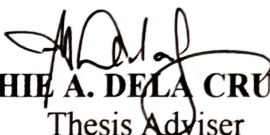
Republic of the Philippines  
**RAMON MAGSAYSAY TECHNOLOGICAL UNIVERSITY**  
College of Communication and Information Technology  
Iba, Zambales



The study hereto attached entitled

**PESO – SPES E - MANAGEMENT SYSTEM**

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## **ABSTRACT**

**Title** : **PESO – SPES E – MANAGEMENT SYSTEM**

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The main purpose of this study has focused on finding the effective and efficient way in solving the problems experienced by the PESO Provincial Office in using the current system. The study involved the development of a web-based PESO – SPES e-Management System for the Provincial Capitol of Zambales.

Specially, it sought to answer the following questions;

1. What is the profile of the respondents in terms of:
  - 1.1. Age; and
  - 1.2. Gender?

2. What are the respondents perceptions on the frequency of occurrence of problems in the existing system in terms of:
  - 2.1. Accuracy;
  - 2.2. Security;
  - 2.3. Speed of Processing;
  - 2.4. Maintainability; and
  - 2.5. Usability?
3. What are the respondents perception on the level of efficiency of the proposed system in terms of:
  - 3.1. Accuracy;
  - 3.2. Security;
  - 3.3. Speed of Processing;
  - 3.4. Maintainability; and
  - 3.5. Usability?
4. What are the respondents perception on the level of satisfaction of efficiency of the proposed system in terms of:
  - 3.1. Accuracy;
  - 3.2. Security;
  - 3.3. Speed of Processing;
  - 3.6. Maintainability; and
  - 3.7. Usability?



The significant findings of the study are as follows:

1. **The profile of the respondents is:**

1.1 **Classification.** Majority of the respondent belongs to Age 16 – 20 and 21 – 25 or considerably the age of usual SPES Applicants and PESO – SPES personnel's which the target users of the system. In terms of gender, twelve (12) or 40 percent of the respondents were male while eighteen (18) or 60 percent of the respondents were female

2. **Respondents Perception on the Frequency of Occurrence of Problems in Existing System** in terms of the following criteria are as follows:

2.1 **Accuracy**, Sometimes with a mean of 2.8.

2.2 **Security**, Sometimes with a mean of 2.6.

2.3 **Speed of Processing**, Oftentimes with a mean of 3.8.

2.4 **Maintainability**, Seldom with a mean of 2.0.

2.5 **Usability**, Sometimes with a mean of 2.6.

Generally the respondents perceived the problems encountered in the existing system are Sometimes with a grand mean of 2.76.

3. **The respondents perception on the Level of Efficiency of the Proposed System** in terms of the following criteria are as follows:

3.1 **Accuracy**, Very Much Efficient with a mean of 4.78.

3.2 **Security**, Very Much Efficient with a mean of 4.86.

3.3 **Speed of Processing**, Very Much Efficient with a mean of 4.84

**3.4 Maintainability**, Efficient with a mean of 4.14.

**3.5 Usability**, Very Much Efficient with a mean of 4.38.

Generally the respondents perceived the proposed PESO – SPES e-Management System to be considerably Very Much Efficient with a grand mean of 4.59.

4. What are the respondents perception on the level of satisfaction of efficiency of the proposed system in terms of:

4.1 **Accuracy**, Very Much Efficient with a mean of 4.30

4.2 **Security**, Very Much Efficient with a mean of 4.20.

4.3 **Speed of Processing**, Very Much Efficient with a mean of 4.36.

4.4 **Maintainability**, Efficient with a mean of 3.69.

4.5 **Usability**, Efficient with a mean of 4.19.

Generally the respondent perceived the proposed PESO – SPES e-Management System with a grand mean of 4.14 to be Efficient or is equivalent to the rating of Satisfactory.

## **Conclusion**

From the aforementioned finding, the researchers concluded the following:

A typical respondent is a PESO Staff of the Provincial PESO – Provincial Capitol of Zambales who is a user of the PESO – SPES System.

1. Most of the respondents belong to age 16-20 and 21-25, 60 percent of it are female and 40 percent of it is male.

2. The respondent perceived the problem encountered of the existing PESO – SPES System for the Provincial PESO – Provincial Capitol of Zambales in terms of the identified criteria as Sometimes with a grand mean of 3.06.
3. The respondents perceived the proposed PESO – SPES e-Management System for the PESO Provincial Office – Provincial Capitol of Zambales in terms of identified criteria as Very Much Efficient with a grand mean of 4.83.
4. The respondents perception in terms of satisfaction of efficiency of the proposed PESO – SPES e-Management System for the PESO Provincial Office – Provincial Capitol of Zambales was efficient with a grand mean of 4.14.

Thus, the respondents perceived the proposed PESO – SPES e-Management System which makes it much better than the existing PESO – SPES System used by the PESO Provincial Office – Provincial Capitol of Zambales.

### **Recommendations**

In view thereof to the consideration of the findings and conclusions, the researchers offer the following recommendations.

1. Strongly recommends the application of PESO – SPES e – Management System in the Provincial PESO Office, Provincial Capitol of Zambales to improve the services of the said office.
2. The proposed PESO – SPES e – Management System is worth investing due to its various benefits.
3. The need to orient the PESO staffs/employees for them to ease the operation system.

4. The researchers recommend the upgrading of browsers used to improve better accessibility of the system.
5. The maintenance and continuous development of the system be done to help it adapt to the constantly changing trends of information technology.

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