

TESDA Monitoring and Certification Information System

A Thesis

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## ABSTRACT

The Technical Education and Skills Development Authority (TESDA) does not have monitoring and certification system at present. This study, therefore, is about the development of a monitoring and certification system for TESDA Provincial and Regional Office VI. The system proposed to achieve the following: a) a storage facility for TESDA on accredited technical vocational institution (TVIs) graduates, drop-outs, enrollees, and technical vocational and educational training (TVET) programs and courses and grab information from data received from TVI to omit having to re-encode the data, (b) a monitoring facility for TESDA which will make data updating more efficient and further protect data from unauthorized changes, (c) an automated certificate generation for TESDA for graduates of TVET courses/programs who underwent training in TESDA Regional Training Center in Iloilo City, and (d) an automated TESDA report generation and storage.

To meet these objectives, the method of system design development used was the Rapid Application Development (RAD). This was developed by James Martin in the 1980s to shorten the length of time in software-packaging. Basically, RAD has four stages namely (1) requirements planning, (2) user design, (3) construction, and (4) implementation.

Various programming languages such as the Visual Basic .Net, Sql database and Microsoft Access were utilized to come up with the proposed system. With these, the researchers ably managed to provide a storage, monitoring, and certification facility for TESDA Regional Office 6. Moreover, the TVIs also have the said system except for the

certification facility. Once fully installed, the introduction of the system to these institutions would greatly enhance the services they offer and foster client satisfaction.

Since RAD was used as a method in this study, it is understood that more system developments can take off from the present study. Should there be any, current changes at TESDA should be noted and incorporated to ensure the maximize use of such a system.