ABSTRACT

This study develops a web-based application for the management of electronic thesis documents of the Technological University of the Philippines that allows the uploading, updating, and displaying of e-thesis documents. The purpose of this system is to digitally preserve the existing thesis documents in the library, allowing students to have easier access to these e-documents online. The web application was successfully developed with the use of different frameworks and programming languages. The front end of the application was designed and built using the combination of HTML, Bootstrap and CSS. For the backend of the program the researchers used Python, Django, XAMPP, MySQL, and Apache Server. Moreover, this study includes the digitalization of the existing hardbound copies of the thesis papers in the library to be stored as well in the system. The researchers utilized Cam Scanner, a mobile application for digital scanning, to be able to achieve this task and saved the files in pdf format. On the other hand, the test and evaluation result of the project shows 4.79 overall mean in different categories which includes performance efficiency, usability, security and maintainability which corresponds to very satisfactory descriptive result, and that the implementation of an online thesis archive management system gives more accessibility and is much better than implementing or using traditional library system that use physical storage for thesis documents which are vulnerable to its disfigurement and ruination, reducing the usage of paper storage by saving all the records electronically in the system.