DEVELOPMENT OF DIGITAL MUSEUM OF ARTIFACTS AND HISTORY FOR THE MUNICIPALITY OF INDANG, CAVITE

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ABSTRACT

PEREY, CLARK CYREM AARON M. and TORRES, ARCHIE L. Development of Digital Museum of Artifacts and History of Indang, Cavite. Undergraduate Thesis. Bachelor of Science in Information Technology. Cavite State University, Indang, Cavite. June 2017. Adviser: Ms. Charlotte B. Carandang.

The study was conducted to develop a digital museum of artifacts and history for the municipality of Indang, Cavite. The study was conducted to be able to be represent the artifacts in three dimensional view, the system would help the preservation of the artifacts from destruction and lose of records.

Rational unified process was used for the development of the system. It consists of inception phase, elaboration phase, construction phase, transition phase, and production phase.

The application software used in developing and designing the system were; Unity, as the main software; for the developing the system, was Google Sketch up 2016, for creating the artifacts model, C# as the programming language, XML as the database and Microsoft Word 2010 for the documentation.

The system is comprised of three modules: archive module, artifacts module and information module.

The system was evaluated in accordance to functionality, reliability, usability, efficiency, maintainability, portability and user-friendliness. The participants were composed of fifty (50) residents (visitor), twenty (20) employees from the Municipal of Tourism office and ten (10) Information Technology (IT) expert from the Department of Information Technology of Cavite State University, Indang, Cavite. The result of the

evaluation shows that the system is up to standard. The system passed all the given criteria and standard of the evaluation and rate was rated "excellent".

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