



ABSTRACT

The Aklatang Emilio Aguinaldo – Augmented Reality or AEA-AR is an image-based augmented reality Android mobile application developed for the use of the Aklatang Emilio Aguinaldo library of the De La Salle University – Dasmariñas. It aids users in familiarizing and exploring the building and assist them in locating library resources in the different sections of the university library. It has four main features – Library Tour, Library Map, Search and Book AR.

The mobile application was developed using the Java programming language with the Eclipse IDE and used tools such as the Android SDK, Android Development Tools, and MetaioSDK. After development, the mobile application was evaluated by 60 respondents consisting of randomly selected students, faculties and library staffs. The result of the evaluation conducted through survey questionnaire implies that the proponents were able to fulfill its purpose with the system's output. Users find the mobile application satisfactory and helpful for the AEA library tour and beneficial for the students, library staff and other users.