De La Salle University – Dasmariñas

Development of a Location-Based Augmented Reality Application Using the Android Platform for DLSU-D

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Abstract

DLSU-D AR is a location-based augmented reality android application developed mainly for aiding campus tours to help the students, faculty, staff and guests in familiarizing them in the campus premises. It is also developed for promoting De La Salle University - Dasmariñas as a premier university in Cavite in an interactive way.

DLSU-D AR has four powerful functionalities: AR mode, Map view, Search view and Help view. AR mode is where the user can see the marker overlay to the camera view and display the icon and distance of the location. Map view is the bird's eye view of the vicinity of De La Salle University – Dasmariñas. It displays the different locations represented by icons according to their categories and it also has the shortest path locator that displays the shortest path from one location to another. Search view has two tabs, namely: All Tab where you can search all locations through keywords and Categories Tab where the user can search through various categories like food/dining, parks and landmarks, etc. and lastly, the Help View where the user can view the user's manual or the user's guide and also included is the about menu where the user can view about the application and the developers.

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