Project Name: 3D modelling of Tezpur University campus for Android devices

ABSTRACT

A Smart Campus has the goal to provide an interactive map and services that allows people to visualize, locate and access information about the campus street network, buildings, classrooms, departments, programs, offices, cafeterias, residence, green spaces, and so forth. The concept of Smart Campus follows the same principles than the known Smart Cities concept/policy: find "smart" solutions to provide quantitative and qualitative improvement of life of the populations, whether to an urban population or students in a campus.

This project has a modest objective of studying the technologies of making a smart campus specially for a university like Tezpur university. We aim at developing a map-based view of interior and/or exterior assets on the university campus that enables employees, students and visitors to locate an area of interest and review information stored in the human resources and facilities management database.

Nowadays, more and more people are increasingly becoming familiar with 3D visualization of the earth's surface, for instance Google Maps or/and Google Earth. GIS applications such as ArcGIS are taking full advantage of these capabilities and empowering their software with 3D tools.

In brief, this project will focus on the procedure of the 3D creation of the first Tezpur university campus using GIS and other 3D modelling tools. The model must be a static one so that anybody can access it from their android based devices without any network connection.

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