Prototype of virtual ID for first level students of the Universidad de las Fuerzas Armadas "ESPE"

Problem

New students at the Universidad de las Fuerzas Armadas "ESPE" need to use the integrated health system, for which they need to present an identification (Card/ID). The university institution does not have flexible hours and does not have a virtual ID system. We need to generate a virtual system to avoid certain situations that may be a risk of contagion, such as presenting and performing it manually.

Overview

Design a prototype of a virtual identification system, for this we adopt new technologies as innovation or the need in different circumstances, we take digital licenses as an example, the prototype is aimed at new students who did not obtain the benefit of having a physical card , the student will have to enter their information in the program to create the card.

Background

In actuality the computer technologies allow users improve processes that were previously carried out manually, the utilization of time for a specific task, carries human resources that having no means technological for its realization, they affect a true management within an institution. Every educational entity faces a high circulation of people who enter the institution. Therefore, when establishing control and security measures, they must be much more intense.

Within any campus, college or institution, it is important that students have their own identification, which will serve as a method of recognition and to establish automatic processes that help in each of the aspects.

This system will have a database, it can be done directly or also through various programs that through a link you can perform various actions such as: consult, modify, remove, etc. For the creation of the database you can use various programs such as: Microsoft Access, SQL, MYSQL, PostgreSQL.

The institutional card must have fundamental information as shown in Fig 1. Which identifies the user in the campus, in this way the user can have use of the campus facilities and services such as: Library, sports fields, access to the Integrated Health System and other university facilities, you will also be able to access the services and benefits that public and private companies offer you for being a Graduate.