Design and Implemented an Automated National Youth Service Corp (NYSC) Members Mobilization Control System for Sokoto State

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Abstract: *The National Youth Service Corps (NYSC) plays a crucial role in integrating Nigeria's graduates into national development, fostering unity among diverse ethnic groups, and providing entry-level job opportunities. However, the current manual NYSC mobilization and posting system faces challenges such as large and complex record-keeping, inaccurate statistics, and issues related to confidentiality, bribery, and corruption. This research aims to address these challenges by designing and implementing an automated NYSC members mobilization control system for Sokoto State. The proposed system includes a central database, web-based interface using PHP, HTML, Javascript, and MySQL, and features such as call-up letter generation and efficient student posting. The study analyzes the existing manual system, highlighting its time-consuming nature and reliance on the headquarters for error correction. The new system enhances information storage, retrieval, and printing of mobilization letters. The input design involves a corps registration form, and the system procedure includes deployment, server connection, user authentication, and role-based access. The output presents comprehensive records of corps members' mobilization information through a user-friendly dashboard. System requirements include MS Windows operating system, WAMPP or XAMPP server, and standard hardware specifications. Human elements required for system management include a webmaster and a database administrator.*

Keywords: National Youth Service Corps (NYSC), Sokoto, mobilization control system, automated system, database, web-based system, PHP, HTML, Javascript, MySQL

Introduction

The National Youth Service Corps (NYSC) is an organization set up by the Nigerian government to involve the country's graduates in the development of the country. There is no military conscription in Nigeria, but since 1973 graduates of universities and later Polytechnics have been required to take part in the National Youth Service Corps (NYSC) program for one year. This is known as national service year."Corp" members are posted to states far from their city of origin. They are expected to mix with people of other tribes, social and family backgrounds, to learn the culture of the indigenes in the place they are posted to. This action is aimed to bring about unity in the country and to help youths appreciate other ethnic groups. There is an "Orientation" period of approximately three weeks spent in a camp away from family and friends. There is also a "passing out ceremony" at the end of the year and primary assignment followed by one month of vacation.

The program has also helped in creating entry level jobs for a lot of Nigerian youth. An NYSC forum dedicated to the NYSC members was recently built to bridge the gap amongst members serving across Nigeria and also an avenue for corpers to share job information and career resources as well as getting loans from the National Directorate of Employment. Looking at Nigerian, NYSC was created to foster unity among Nigeria's about 250 ethnic groups and to create a sense of nationhood and selfless service among young people. There use to be two NYSC batches, namely batch A and batch B. However, with so many graduates waiting for NYSC call up, NYSC now have three batches, batch A, batch B, and batch C. The NYSC programmes runs for about 12 months and during that period, graduates of Universities and Polytechnic are deployed to serve in states that are not their state of origin.

Statement of the Problem

Nigerian universities and polytechnics are presently producing thousands of graduates every year. NYSC presently using online system in their data processing; this involves the use of people, pens and papers and automated in records keeping. This method of data processing reveals a number of problems which includes:

i.   Records to be kept in are often too large, diversified and complex to be processed manually.
ii. Statistics of yearly NYSC members are hardly correct as a result of manual calculations
iii. Students are made to contend with missing their service year as a result of no call-up letter.
iv. Un-confidentiality
v.   Bribery and corruption

Aim and Objectives of the Study

The aim of the research is to design and implemented an automated National Youth Service Corp (NYSC) members mobilization control system for Sokoto State.

The objective of this project is to:

i. Design and implement a central database system that would serve as NYSC database, which will contain information of all the graduates that are waiting for national youth service corps in Sokoto State.
ii. To generate students call up letters
iii. To efficiently and effectively post qualified students.
iv. To design a system that is web based using PHP, HTML Javascript and Mysql database as its front end and back end respectively. This system will address the issues of the manual system.

Description of Existing System

Existing system refers to the system that is being followed till now. Presently, majority of the NYSC mobilization and posting services are done automated from main headquarter in Abuja. That is if a corps make mistakes he/her will wait the mistakes to be corrected from headquarter. This main disadvantage is that it is time consuming.

Analysis of the Existing System

The existing system of NYSC automated mobilization system involves general states of the country. A new corp member usually register into the current system by filling his details in system which signifies that the person is an official mobilization from the headquarter. Also, this gives the person access to own a account. Which is used to store the basic information about the corps members.

Analysis of the System Procedure

Based on the information collected from the corp member, an analysis is carried out. The corp member information are processed and then mobilization to posted them states.

New System Design

The new system will store information with easy, allow easy retrieval of NYSC Corp's Member, and can print mobilization letter from any NYSC Corp's Member as hard copy(i.e. on a paper).

Input Design

The input to the new system is the corps' registration form, which is entered through the keyboard. The input form design takes the format bellow:

Figure: 1 Corp's Registration Form

System Procedure Design

The web application is deployed, and connect to server, the clients in the intranet with any browser can access the (home page) site. The user logs in by providing his/her user email and password and then the system displays information based on the role of the logged in user, When a user starts the application, a login screen is displayed to authenticate the user. If the user has typed the correct user email and password to the login screen, the system displays a splash screen for some seconds and then a window containing the main menus of the system as shown. The main window displays menus and sub menus based on the role of the user that has logged in. The roles for the Windows application are System Administrator.
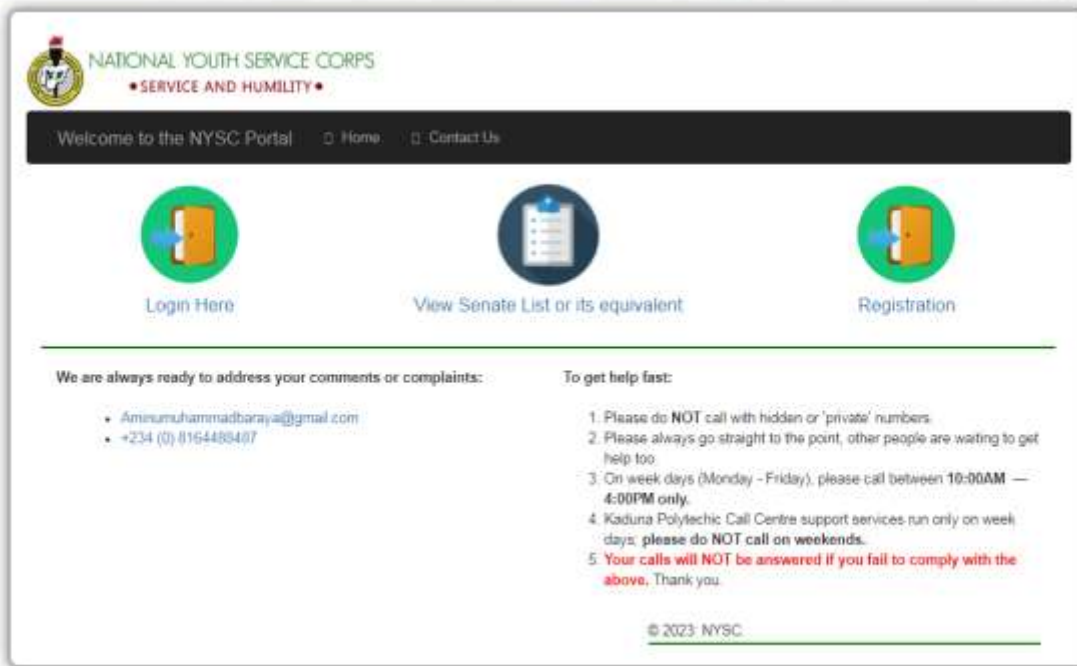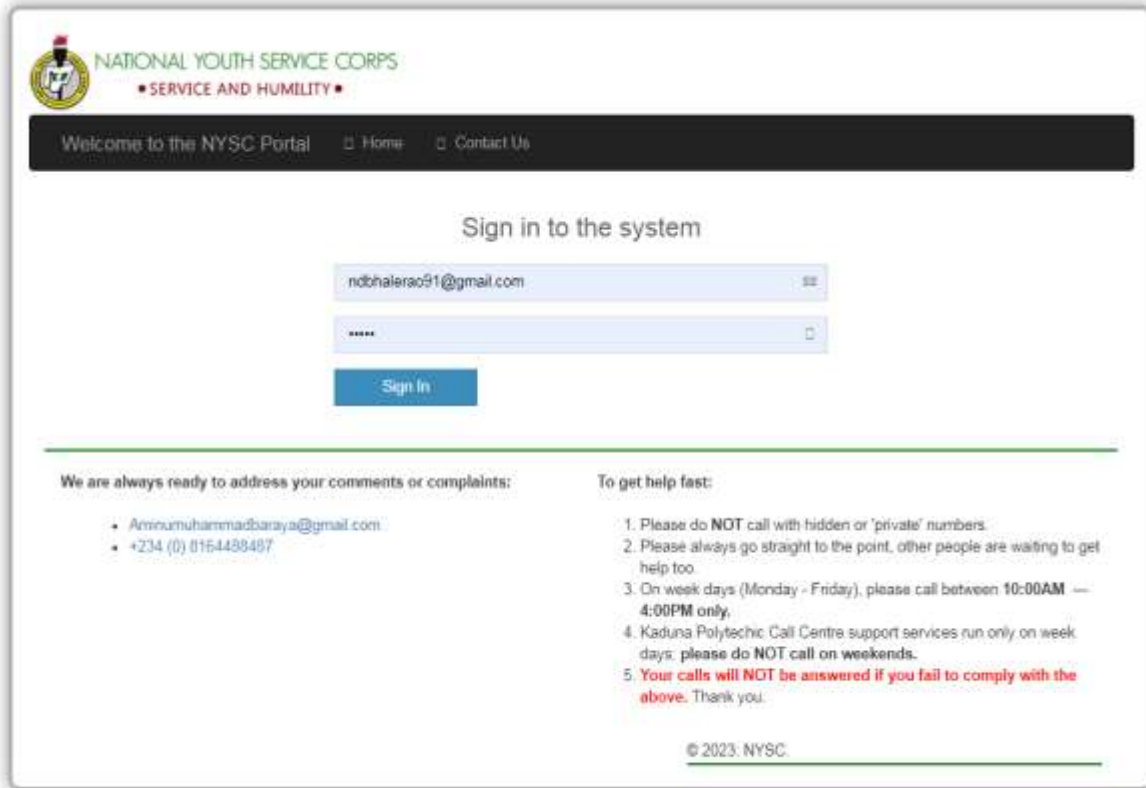

Figure: 2. Home Page

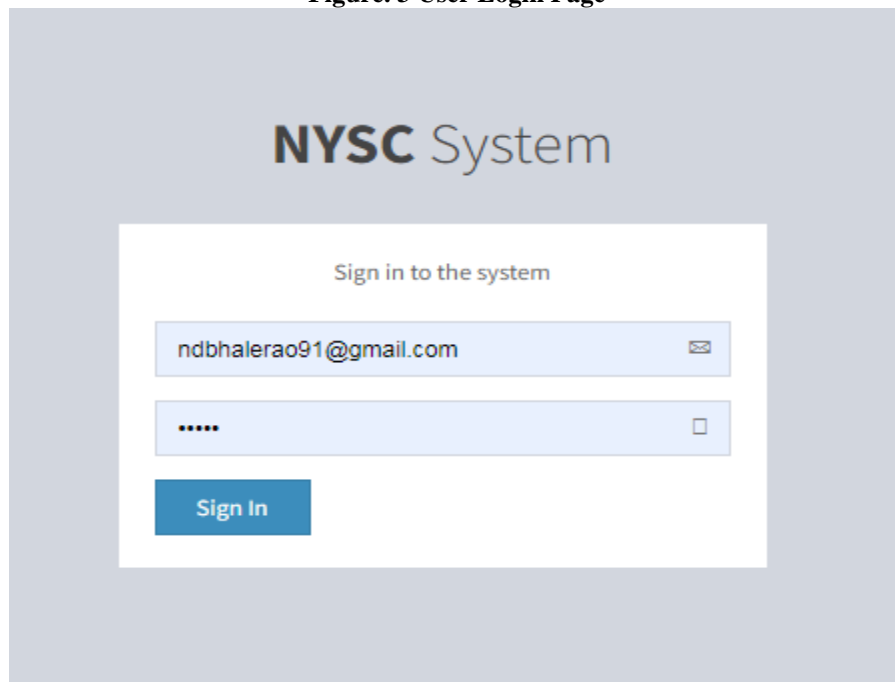**Figure. 3 User Login Page**

Figure 4 Admin Login Page

Output Design

The output is the expected results from the processing which is the all the records of corps' member. The information carries all the data pertaining to the mobilization information such as;
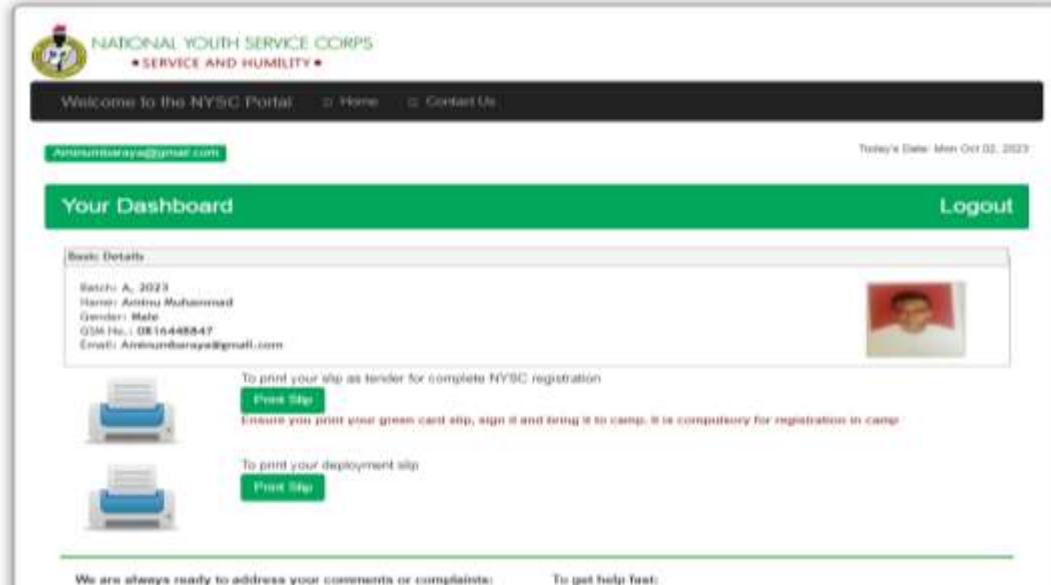
Figure 4.5 Corp's Dashboard

New System Requirement
The newly designed system requires the following equipment; Hardware and Software
Software Requirement
i.   Any of MS windows Operating System
ii.   WAMPP or XAMPP server
iii. Web browser like Internet Explorer, Mozilla firefox, crazy browser etc
Hardware Requirement
i.   A Pentium iv or higher system with the following configurations
ii.   1.2GHz of processor speed and above
iii. 40 gigabyte of hard disk and above
iv.   512 megabyte of Ram and above
v.   1024 * 768 screen resolution
Human Element Requirement
The personnel required by patient management system to implement and manage the new system include: A web master who manages the website. The job involves updating the website periodically, editing the existing WebPages and creating new ones, and uploading web resources. He/ She must be an expert in the field with the zeal to work. A database administrator who manages the database. The job involves creating, managing and monitoring the database and its schema (users, tables, indexes, functions etc.).He / She must be an expert in the field with the zeal to work.

Conclusion and Recommendation
Automated system has proved to be more successful when compared to manual systems. Automated NYSC posting system strategically redefines the manual system of posting. This system hence averts risk, stress, promotes privacy and secrecy as well as safety. We human desire to live a simple and stress less life, decision making systems like this system, Automated NYSC posting; will soon kick out manual decision making system and in Corpsorated advance technology into computerized decision making systems. As change is the only thing constant to life, more sophisticated decision algorithm should be use in decision making in regards to this system. Advance technology like; biometrics can be integrated to this system as a means of user identification instead of password. Also, we strongly recommend this software for the deployment department of NYSC and NYSC at large, likewise others decision making organization.

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