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Career Guidance System

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ABSTRACT: This paper presents a designing of a web based system for Career Guidance System (CGS). Basically, CGS is tries to help a user who is looking for career advice guidance. CGS tries to make one place where student, job seeker, career advisor or consultant, and various company or organization can meet and help. In order to help the users to determine their best career choice, this system also offers some tests or quizzes that are related to such career and the user personality which will be useful for the career path. At the age of 18, the scholars do not have ok adulthood to as it should be realize approximately what an man or woman has to comply with which will select a congenial profession path. As we byskip via the stages, we realise that each scholar undergoes a sequence of Doubts or notion approaches on what to pursue after twelfth that is the unmarried tallest question. Career choice is one in every of many tough mission college students are confronted with whilst leaving secondary schools. The loss of statistics approximately sure guides make college students to turn away from taking over such career which has adversely affected such professions. One of such career is the Building career. The goal of the observe changed into to increase a web-primarily based totally constructing career profession portal as a steerage information gadget for secondary college students with an intention to convey greater focus to the career of constructing/constructing technology. They have a look at applied using a questionnaire and the device layout of a web-primarily based totally profession portal.

KEYWORDS: Web-Based, Counselling, Computerized.

I. INTRODUCTION

Choosing a Career path is always the most delicate and critical decision for anyone especially for youthful people. According to Oxford wordbook, career is "an occupation accepted for a significant period of a person's life and with openings for progress". currently, there are colourful type of jobs and occupations that people may have some difficulties to choose the stylish as their career that suitable for them, especially for the fresh graduate people who occasionally find it's veritably hard to get good job for them and suitable for their knowledge and chops. Some of these fresh graduates need a professional advice and adviser from someone to help them to determine their career path. therefore, Career Guidance and Employment Management System (CGEMS) is a web base system that will help people to determine the stylish option and suitable job for them in convenience and effective way. Also this system will be useful for the colourful companies or association to hire stylish people in right position

II. GOALS AND OBJECTIVE

1. To assist withinside the general improvement of the student
2. To assist withinside the general improvement of the student.
3. To assist withinside the right preference of careers.
4. To assist the scholars in vocational development

The machine starts with deciding on a career. Students might be capable of see diverse profession alternatives and the professionals and cons of the same. They can be capable of view facts from web sites like Glassdoor and LinkedIn approximately specialists in every career. Different authorities web sites that offer task records can also be connected with every career. All this data will assist destiny university college students to make a well – knowledgeable choice. After deciding on a career, the subsequent hurdle is deciding on a college. The gadget will leverage college students who use the gadget to attain university and could post non-public studies and critiques from them. Articles from counsellors and university officers approximately admission to faculties might be available. The device may also seek the net for applicable article and after approval from the admin, will make hyperlinks to be had for students. There are quite a few checks to be had to assist determine out one's aptitude. This gadget will offer get right of entry to to such checks and could accumulate the effects and preserve them at the consumer profile for later

review. Advertisements for nearby counsellors may also be furnished in conjunction with consumer evaluations approximately them.

The main purpose of our system is to make digitalization of teacher course file & to reduce manual work load. Such a digital system requires less time as compared to manual system. Our new developed digital system is easy to use from both admin & teacher side view. Existing system works manually. By which there is huge load on teacher. Teacher has to work manually to update their required information & performance as well as they have to work hard to keep their records. Due to this, they are enabling to manage time. So, time management issue is happened. Because of this, they have to face academic impact. Whereas, manual system needs more cost for some paper work & printing costs etc.

III. PROPOSED SYSTEM

The developed career portal is specifically aims at helping secondary school students and their parents in understanding the building profession. By using an information system, it would help disseminate the awareness about the profession and guide students and their counsellors towards the choice of the building profession. With the spontaneous advancement of information communication and technology (ICT) and the affinity of the present generation towards innovative technologies, the education sector has witnessed a lot of improvements. noted that globally, higher education from various universities have experienced substantial growth in the use of e-learning platforms inform of web-based learning, computer-based learning and virtual learning.

Advantages

1. It will guide students through this process
2. Provide access to verified sites that can help them.
3. The system will also allow students to collect all the information they require
4. Store it in a manner that makes it easy to access

IV. LITERAL SURVEY

Secondary school students need sound educational counselling that would guide them into making intelligent and informed decisions, but most times they are unavailable to a large extent. noted that this in effect may lead to problems of coping with a course of study, lack of interest, lack of motivation while argued that it may subsequently lead to withdrawal. It is therefore pertinent to ask how do secondary school students decide on what course to study. stated that there were variations in the perceived factors that influence students' choice of study. affirmed that parents play a critical role in their children's career choices and aspirations. opined that parents are largely unaware of their immense influence in the career selection process of their children. Although, reported that the parental influence in student's choice of course is minimal, noting that parents only advise their children on subjects to offer in their secondary school.

This is still a vital form of influence. In order to reinforce this crucial influence that sway students into their course of study, advised that educational counsellors should work directly with parents and peers, especially with a view to enhancing the positive aspects which may eventually improve the career development prospects of secondary school student.

V. METHODOLOGY

1. Algorithm:

The observe used an attitudinal studies strategy. Quantitative to check studies targets and designing of a web-primarily based totally protocol for the reason of steering counselling for secondary faculty students. The populace for the take a look at includes 3 hundred and nineteen (319) Senior Secondary Schools primarily based totally on statistics through the Lagos State Ministry of Education in 2016. The populace of the look at have been college students of their very last level withinside the secondary college which can be of their SS3 stage of the Nigerian academic structure. In addition, the look at taken into consideration the notion of the academics in the colleges to be visited. For the 2 classes of respondents, the pattern length from the populace had been decided by comfort sampling layout for the choice of the secondary college scholar in SS3 and their teachers. The comfort sampling method that's a non-probabilistic sampling technique become used due To the incapacity to acquire a complete listing of the 2 classes of respondents. A overall quantity of nine (9) faculties have been concerned withinside the study. From those schools, a complete of hundred (200) secondary college college students in very last year And fifty (50) instructors from the chosen faculties have been

selected to take part within the study. For the cause of this study, the data series device used come enciphered questionnaire utilizing the factor Likert scale. The questionnaire layout demanded to be defined to the scholars for clean knowledge of the variables and the way to finish a questionnaire. There had been units of questionnaires, one for the speakers and the volition for students. The first set of questionnaire for the coach is resolve into three sections. Section A contained literal past statistics of repliers, Section B estimated rudiments that have an effect on career choice of secondary faculty scholars, Section C estimated the belief of the constructing profession. While the questionnaire for the scholars differed in Section B that's figuring out the reassets the secondary faculty leavers use in acquiring profession preference information. Analysis of data for the cause of this studies came performed the operation of statistical calculation strategies backed via way of means of the operation of Microsoft Excel and Statistical Package for Social Scientists (SPSS). The results were presented with maps and mean scores. A system design showing theater-relationship of the career gate interfaces was developed. The web-grounded career gate was designed using CSS and HTML.

2. Detail Working

The internet site may be designed the use of CSS and HTML. Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a report written in a markup language. CSS is designed in most cases to allow the separation of record content material from record presentation, which includes components which includes the layout, colors, And fonts at the same time as Hyper Text Markup Language, generally known as HTML, is the usual markup language used to create internet pages. Web browsers can examine HTML documents and render them into seen or audible net web page and that is why it became used for this project. A breakdown of the contents of the website page are:

- Details approximately its surfing and looking functions.
- General constructing associated information.
- Lecturers within the branch of constructing covenant university.
- Jamb necessities to benefit admission into the universities.
- Contact person. In order to put into effect the portal, a block diagram displaying the functions of the device as proven in Fig developed. The block diagram confirmed five (5) fundamental interfaces: Home page, About Building, Notable Lectures/ Building Professionals, Tests and A Contact web page interface. The URL of the internet site is inputted into an internet browser with the aid of using the user. The web website online as soon as opened takes you to the house web page wherein the person can view a quick information approximately the internet site and what it's approximately and different navigation may be achieved the use of the menu bar above. The menu bar consists of home, approximately building, lecturers, JAMB requirement and phone persons. The theme of the site is black, white and blue

VI. SCOPE STATEMENT

In this design, we'll generalize our former models of career guidance, and make a new model allowing to guide any pupil of any age, to its most acclimated pathway. We'll start by describing the Indian education system. also, we'll classify the scholars according to their main chops, on the base of their grades and a test of his particular chops. After that, we'll study the conditions of integrating a field of a given academy, or choosing a career. also, we proposed an automated system for affecting the scholars to their most applicable pathway. Eventually, in order to estimate the effectiveness of our proposed model, an trial was conducted on a original engineering academy.

Software Requirement Specification

1.1 User interfaces (Functional Requirements)

- Front End: HTML, Bootstrap
- Back End: PHP

1.2 Hardware Interfaces (Hardware Requirements)

- Processor – Intel Core i3
- Hard Disk – 5 GB
- Memory – 1GB RAM
- Monitor, Keyboard, Mouse

1.3 Software Interfaces (Software Requirements)

Operating System: Windows XP, Windows 7 (Ultimate or Enterprise version)

- Tools: VS Code, Notepad ++, Xamp

- Database Connectivity: Notepad Text File
- Technologies used: PHP, HTML, Bootstrap

1.4 System Features (Functional Requirements)

- A user can login the system.
- Various choices will be displayed to the user.
- Also the career material or college names options will be provided.
- Aptitude test.
- Result for the test.

VII. TECHNICAL

1. HTML:

HTML is a computer language cooked to permit internet point creation. These web spots can also be considered through all of us differently linked to the Internet. It's tremendously clean to learn, with the fundamentals being available to maximum mortal beings in One sitting; and enough effective in what it permits you to produce. Hypertext Markup Language(HTML) is the usual luxury language for creating internet runners and internet operations. With Slingshot Style wastes(CSS) and JavaScript, it bureaucracy a trio of foundation technology for the World Wide Web

2. CSS:

CSS is designed to allow the separation of donation and content, inclusive of layout, colours, and sources. This separation can enhance content Availability, offer redundant inflexibility and manipulate within the specification of donation characteristics, allow a couple of internet runners to chance formatting through specifying the applicable CSS in a separate. CSS train, and drop complexity And reiteration within the structural content

3. PHP:

The PHP HypertextPre-processor(PHP) is a programming language That permits internet builders to produce dynamic content material that interacts with databases ' is largely used for growing net primarily grounded completely software program operations. This academic lets you construct your base withPHP.PHP commenced out as a small open force challenge that developed as redundant and lesser mortal beings discovered out how salutary it was. Rasmus Leadoff unleashed the First model of PHP manner returned in 1994. During 2014 and 2015, a brand new major model turned into developed, which turned into numbered PHP The numbering of this model concerned a many debate. While the PHP 6 Unicode trial Had in no way been released, multitudinous papers and e book titles substantiated the PHP6 name, which may have convinced confusion if a brand new launch have been to exercise the name. After a vote, the call PHP 7 came chosen.

4. XAMPP Server:

XAMPP stands forCross-Platform(X), Apache(A), MariaDB(M), PHP(P) and Perl(P). It's a simple, light- weight Apache distribution that Makes it extraordinarily smooth for builders to produce a near internet garçon for trying out and deployment purposes ' is a garçon- hand scripting language. And the ending Perl is a programming language and is used to broaden an internet operation. The XAMPP installation process is veritably simple and fast. Once XAMPP is hooked up on your neighbourhood pc it acts as a neighbourhood garçon orlocalhost.XAMPP is a untied and open- forcetcross-platform net garçon result mound pack advanced with the aid of using Apache musketeers, conforming in particular of the Apache HTTP Garçon, MariaDB database, and practitioners for scripts written in The PHP and Perl programming languages. Since maximum real net garçon Deployments use the identical complements as XAMPP, it makes transitioning From a neighbourhood check garçon to a stay garçon possible

5. MySQL Database:

MySQL is one of the most recognizable technologies in the modern big data ecosystem. constantly called the most popular database and presently enjoying wide, effective use anyhow of sedulity, it's clear that anyone involved with enterprise data or general IT should at least aim for a introductory familiarity of MySQL. With MySQL, indeed those new to relational systems can directly make presto, important, and secure data storage systems. MySQL's programmatic syntax and interfaces are also perfect gateways into the wide world of other popular query languages and structured data stores. The primary factor differentiating relational databases from other digital storage lies in how data is organized at a high position. Databases like MySQL contain records in multiple, separate, and largely

codified tables, as opposed to a single all- encompassing repository, or collections of semi- or unstructured documents. This allows RDBMSs to further optimize conduct like data recovery, streamlining information, or more complex conduct like aggregations. A logical model is defined over all of the contents of the database, describing for illustration the values allowed in individual columns, characteristics of tables and views, or how pointers from two tables are related. Relational models have remained popular for several reasons. They empower stoners with intuitive, declarative programming languages principally telling the database what result is wanted in language akin to, or at least comprehensible as, written English, rather of rigorously rendering up each step of the procedure leading to that result. This moves a lot of the work into the RDBMS and SQL machines, better administering logical rules and saving precious resources and force.

VIII.SYSTEM IMPLEMENTATION

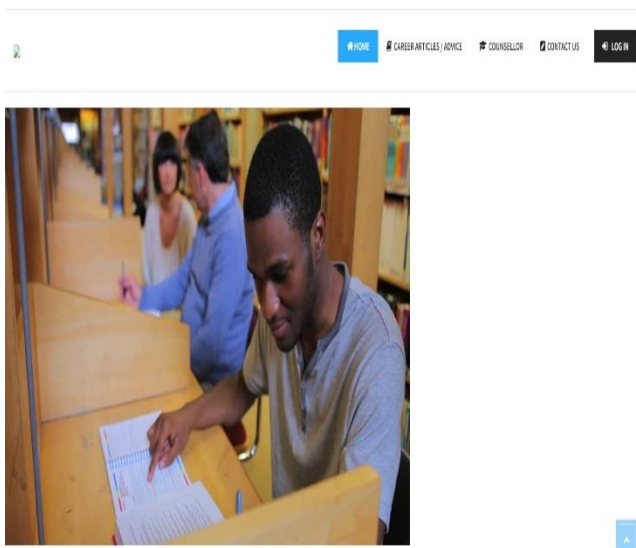


Figure 1: Home Page

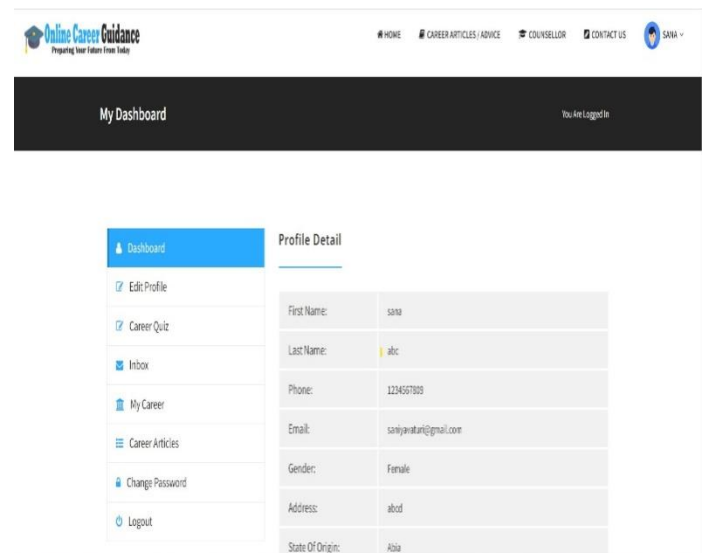


Figure 3: Student Profile Details

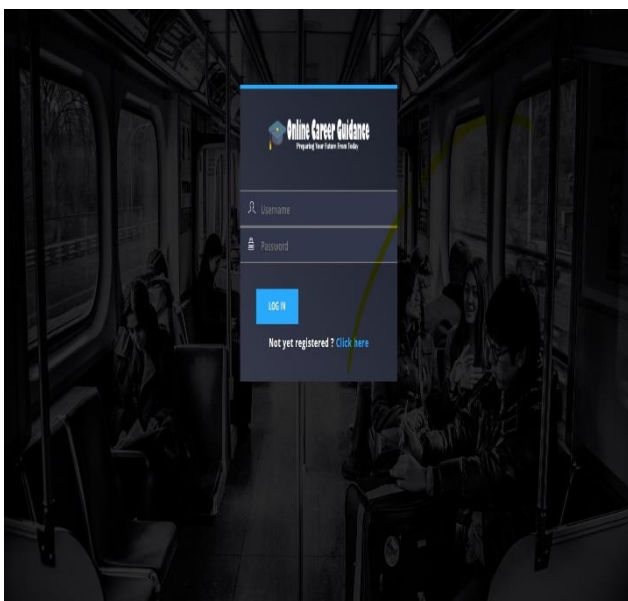


Figure 2: Login Page

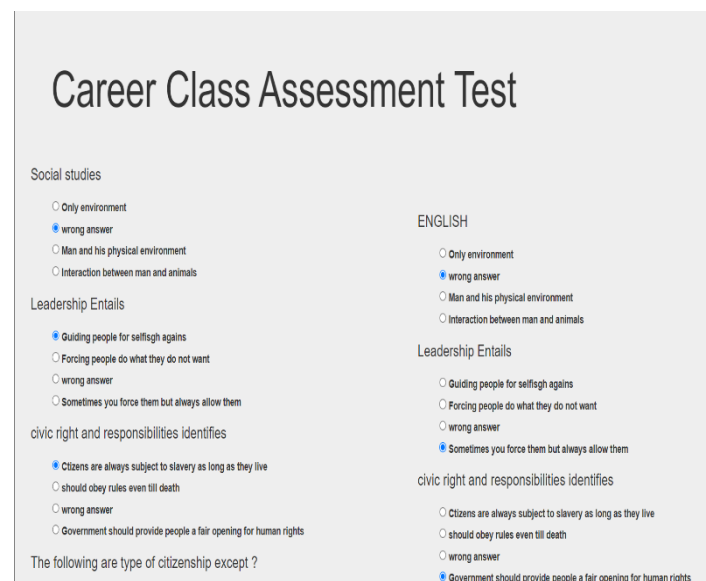


Figure 4: Class Assessment Test

IX. CONCLUSION AND FUTURE WORK

CONCLUSION

Science is the important thing improvement of the country. This is why we can strive on this challenge to give a version for guiding The clinical pupil to their great suitable pathway, so that you can excel of their expert career. A preceding observe on the scholars of ninth turned into accomplished before, via way of means of different contributors of our team. Later on, our concept is to generalize to idea if you want to cap in a position for the hollow schooling machine of our country. Our goal is to manual the pupil from his early age, until his years of ultimate years of studies, insuring for him the exceptional counseling. We'll get on the stop higher graduates student, bold and complete of energy, prepared to serve their country.

FUTURE ENHANCEMENT

This system allows one to work with scholars, parents, professionals, and graduates. It opens a lot of compass for exposure. The terrain also keeps changing continually. Career guidance plays a crucial part in helping labour requests work and education systems meet their pretensions. It also promotes equity current evidence indicates that social mobility is grounded on wider accession now no longer simply of understanding and chops, still of an moxie roughly the way to use them.

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