

Development of a web-based building profession career portal as a guidance information system for secondary school students

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Abstract:

Career selection is one of many difficult task students are faced with when leaving secondary schools. The lack of information about certain courses make students to shy away from taking up such profession which has adversely affected such professions. One of such profession is the Building profession. The aim of the study was to develop a web-based building profession career portal as a guidance information system for secondary school students with an aim to bring more awareness to the profession of building/building technology. The study utilized the use of a questionnaire and the system design of a web-based career portal. The latter was presented using a block diagram and screen shots of the portal. The web-based career portal was designed using CSS and HTML. The sample size for the study was selected through a convenience sampling technique. A total of 120 secondary school students and 30 of their teachers participated in the study. The data obtained was analyzed using SPSS v.21. Statistical tools of charts and mean scores were used. The study revealed that secondary school students obtain information about their prospective careers mainly through their parents. The study revealed that the significant factors that can affect the career decision of secondary school students in choosing a profession are mainly JAMB scores/WAEC result of the students, Environment & society and Self-interest. The study revealed that secondary school students perceived the Building profession as people that ensure that people are safe

while constructing buildings while their teachers perceived the Building profession as people that can detect the possibility of erecting a building. In conclusion, a web-based building profession career portal as a guidance information system for secondary school students was developed. The study recommended that less subscribed professions should find ways to educate secondary school students, teachers and parents. This can be actualized through the use of career web-based portals that have detailed information about the course.

I. Introduction

Career selection is one of many difficult tasks students are faced with when leaving secondary schools as their choice of career affects or determines their future plans. At this point, it is crucial that secondary school students are equipped with adequate career information [1]. Several studies revealed that many secondary students choose careers without getting detailed information about their choice of career [2]–[4]. Secondary school students choose their job fields for many reasons. The factors that affect this decision include dreams, family, passion, salary, past experiences, skills and abilities, interest and personality type. In addition to these factors, race and gender can also affect what field a student may choose to go into [5]. Another thing that plays a big role in a student's decision of what field to study is the people or role models in his or her life. These role models can include a parent, teacher, T.V star or a recent employer. Many students rely on expert advice of guidance and counseling teachers in their schools (if such persons are available) in order to make a choice on their career paths [6].

Keywords

- **IEEE Keywords**

[Engineering profession](#), [Buildings](#), [Portals](#), [Sociology](#), [Statistics](#), [Employee welfare](#)

- **INSPEC: Controlled Indexing**

[computer aided instruction](#), [educational courses](#), [portals](#)

- **INSPEC: Non-Controlled Indexing**

[guidance information system](#), [building technology](#), [secondary school students](#), [web-based building profession career portal](#), [block diagram](#), [CSS](#), [HTML](#), [convenience sampling technique](#), [SPSS v.21](#), [statistical tools](#)

- **Author Keywords**

[Building Profession](#), [Career Choice](#), [Career Portal](#), [Guidance Information System](#), [Students](#)