# WEB BASED ENTREPRENEURSHIP DEVELOPMENT TRAINING SYSTEM (A CASE STUDY OF FEDERAL POLYTECHNIC)

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**Abstract**

*This paper aimed at developing a web-based training system to revolutionize the entrepreneurship development training in Federal Polytechnic of Ilaro. This new system of learning includes the availability of unlimited training materials, real time class organization which is not limited by time or place and unlimited number of students to attend a lecture without congestion. In the current development, students have tendency and dependence on digital content and can take control of their own learning. Training materials can be accessed, stored and shared through the internet. The proposed system will enable the student to register for a specific vocation and make use of the materials available therein at their own convenience while at the same time acquire the necessary skills and competences needed for that vocation. It also aims at providing appropriate training medium, provides opportunities to complete the required work training, increased capabilities and knowledge in a more flexible, cheap and easily accessible way.*

**Keywords:** Entrepreneur, Skills, Training, Web-Based

## Introduction

An individual who creates a new business is an entrepreneur. He bears most of the risks and also enjoys most of the rewards (Adam, 2021). Setting up of a business is known as entrepreneurship. The individual who set up a business is commonly seen as an innovator, custodian of new ideas, goods, services, and business/ procedures.

Entrepreneurship Education is aimed at developing skillful, competent and understanding students. These attributes will equip students to be innovative, and to be able to identify and create initiative successfully, so that he/she can manage personal business community.

According to Nicole (2021), Entrepreneurship is the act of creating a business or businesses while building and scaling it to generate a profit. Furthermore, Investopedia (2014) was of the opinion that Entrepreneurship is a concept which deal with developing and managing a business venture with the intention of making profit that involves taking several risks in the corporate world. In a simple term, entrepreneurship is the willingness to start a new business.

Evan (2021) highlighted the 5 skills every entrepreneur should have which are: effective communication, sell, focus, learn, and strategize

There is an increase in the demand for entrepreneurial skills and attitudes in today's labor market according to Hannon (2006). Social learning theory states that, "in order to boost individuals' confidence in performing tasks, opportunities should be provided to experience mastery of the required skills."

Entrepreneurship training, is communicating set of training materials such as knowledge, skills, and beliefs of entrepreneurships to people. Thus, when it comes to entrepreneurial skills and competencies, the consensus in the field is that entrepreneurship education needs to be practice-oriented, experiential and collaborative in order to be effective.

Web Based Training is a concept saddles with the delivery of contents over the Internet with the assistance of web browsers to a personal computer or any portable device, such as mobile phones.

The entrepreneurship skill acquisition should be based on the interest of the individual acquiring it. Individual should be able to choose the vocation he/she wants to do or get trained for. The pandemic that ravaged the whole earth made

it impossible for students of the Federal Polytechnic Ilaro to acquire the skills and knowledge needed in their chosen vocation because the school actually had to give the same vocation to all the students in the same faculty.

This paper looks into developing a website for training students to acquire both theoretical and practical skills in entrepreneurship education development in Federal Polytechnic of Ilaro.

**Literature Review**

Dobre (2012), said, the term web-based training (WBT) is a training field term due to the technological improvements acquired over the last decades. According to the paper, there has been a significant increase in the use of the Internet to train employees and this has improved their performances, and positively influence the productivity of most organizations (Dobre, 2012).

According to Ben (2020), E-learning (which is sometimes called web-based training) was described as an anywhere and any-time instructions delivered over the internet or a corporate Intranet. Unlike the traditional learning methods, e-learning allows students and learners to participate in training regardless of their physical location.

Ecole (2020) listed some importance of online classes which are; flexible schedule, education for everyone, keep pace with changing trends, vast choice of syllabus, low cost of study, vast area of knowledge, ability to learn at your swiftness, and improvement in technical skills.

It was shown by Buoye (2018), that students who used blended approach learning get higher scores in examinations than students who learned the same content in face-to-face classrooms. For instance, the average scores (mean scores) for both blended learning approach for ICT 101 (introduction to computing) and traditional learning approach for GNS 101 (Communication in English) in a class of federal polytechnic, ilaro was calculated and found to be 35.48 and 31.15 respectively. (Buoye, 2018).

Nguyen (2015), concluded that based on multiple studies, the agreement today is that both distance and online education is at least as effective as traditional education or slightly more effective

Bernard and colleagues (2009) discovered that the key component, to a large extent, that determined the effectiveness of distance and online education was its level of interaction.

Worthy of notice is the clearest findings by (Schmid et al., 2009) in meta-analyses on assessment studies of technology-aided learning that, it is more effective when it is used as “support for instruction” rather than “direct instruction”. Therefore, web-based training is seen as the most effective tool in training individuals or employee with minimum or no stress or inconveniencies.

Mcrea & Bacon (2000) said corporate learning organizations have subscribed to the context of managing and growing the enterprise using technology.

From the literatures concerning web-based training, it is save to conclude that there is a significant but positive relationship between the level of online-learning engagement and academic performance. It is true that some of the skills needed to be a great entrepreneur are likely to be in-born or natural (Evan, 2021), the role of training and education in business and management is not disputable.

According to indeed editorial team (2021), hard skills inform of technical and financial skills are important as a manager of an entrepreneur.

Entrepreneurial handbook editorial book (2014) said the willingness to take several risks in the corporate world by starting a new business is entrepreneurship.

**Design**

The system is designed to solve the problem of time consuming and overcrowding due to large population of students in a class. The system is designed in such a way that it will be used online so as to relieve both the students and staff from the stress experienced in the manual system. The system is considered better due to its flexibility, better storage and universal accessibility.

The system is designed with interface comprises the entering of data for the computer to process in order to produce an output as the result of the processed data.

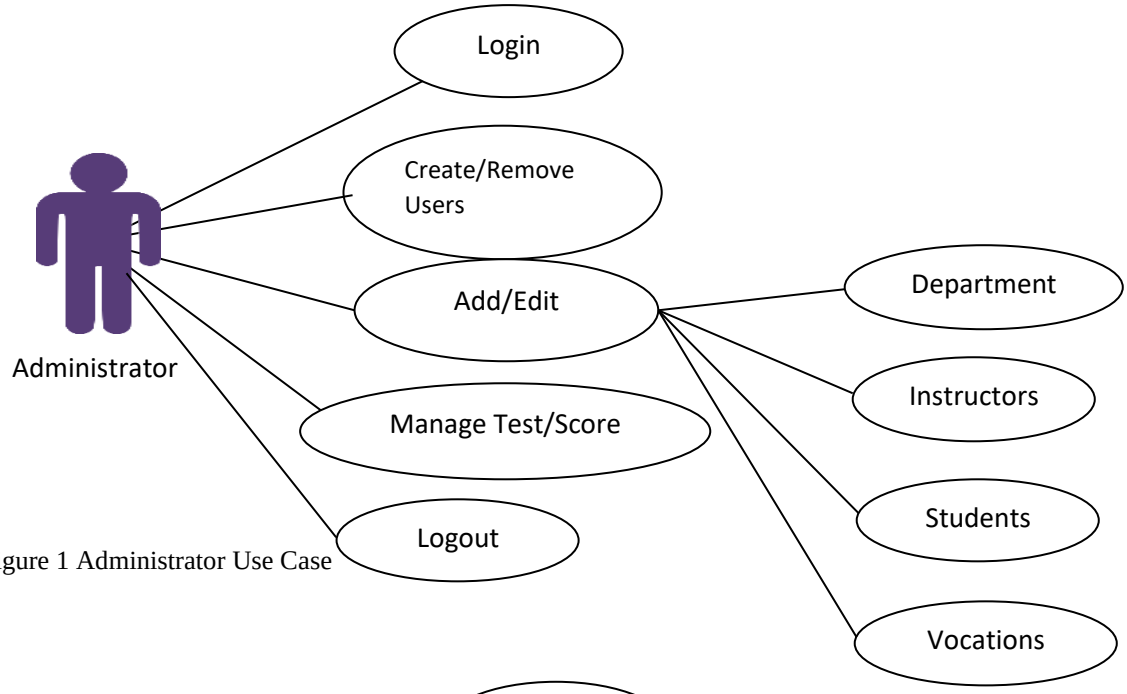



Figure 1 Administrator Use Case

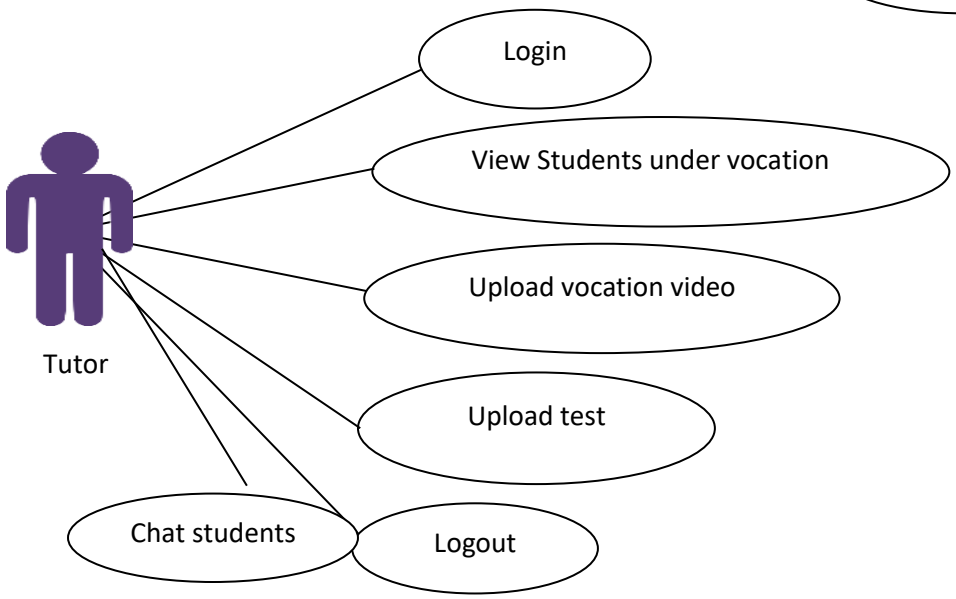



Figure 2: Tutor Use Case

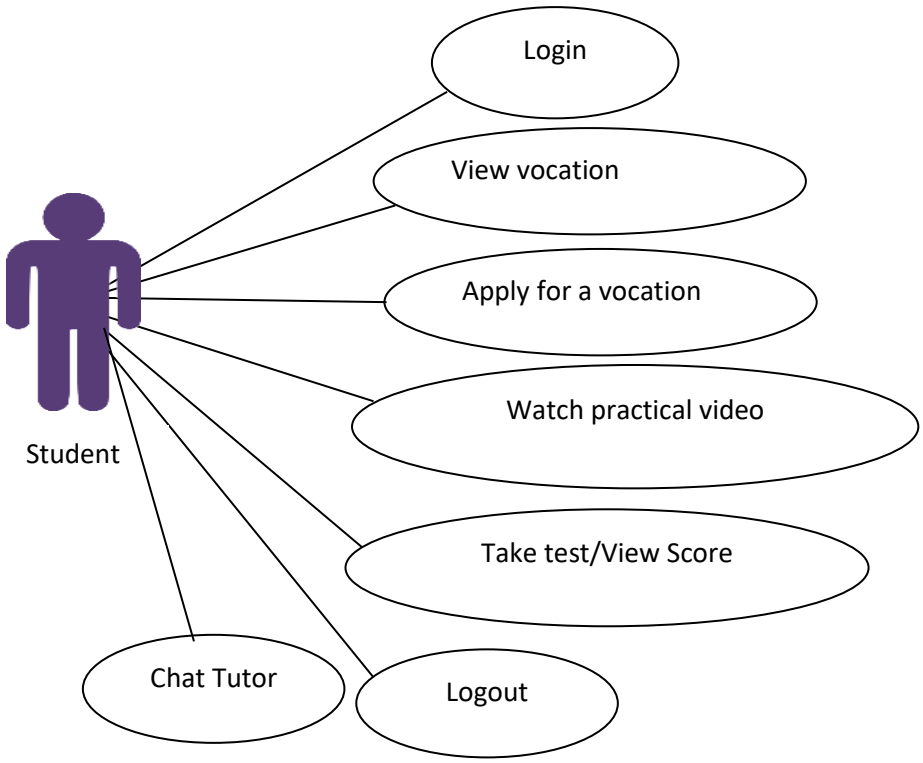



Figure 3: Student Use Case

The Index Page shown in figure 4 below is the first page of this web training system which provides access for students, lecturers, and administrator by login in at the login part of the page.

**Figure 4.1: Index Pag**

Registration Page show



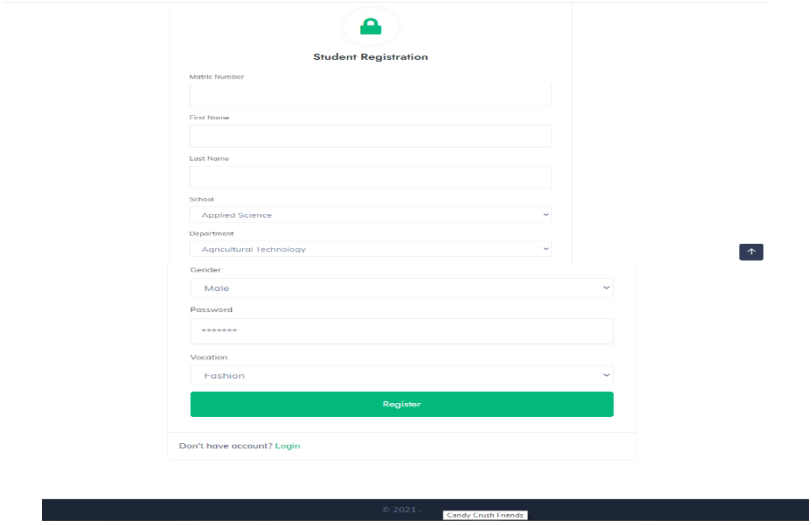



Figure 5: Registration Page

**Login Page:** This page (figure 6) gives an existing user access to the system.

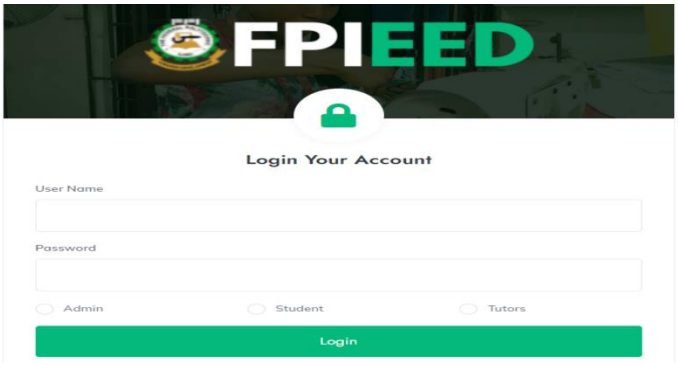



Figure 6: Login Page

The Administrator Page figure 7 below allows the administrator to have access to the system. The administrator can add vocation to the database of the system, also assign vocation to lecturers and view all registered students for each vocation and their progress on each vocation.

Figure 7: Administrator Page

Tutor Page figure 8, gives the lecturer access to select the vocation assigned to him/her so as to add content to it.

Figure 8: Tutor Page

Student Page (figure 9) gives the student access to the materials assigned to each vocation.

Figure 9: Student Page

**Conclusion**

With the accommodation of online training system, school of entrepreneur members, students and tutors should have a better way of learning and teaching. The management should recognize and appreciate the benefits inherent in the system and commence the continual investments needed to make sure that training education is not restricted to the face-to-face, or physical presence of students and tutor in a physical class environment.

The system only covers the practical aspect of the Entrepreneurship Development Education, therefore, it would be better if a full portal is developed for an effective and wholesome implementation of the training system where payment for the log book would be made, registration for vocation by student, lecturing (both practical and theory), examination and certification.

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