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TEMA:

**“IMPLEMENT AN ALTERNATIVE OF MASS PREPARATION TO
FACILITATE IN THE COMPUTER TRAINING AREA WITH A
COURSE MOOC.”**

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Implement an alternative of mass preparation to facilitate in the computer training area with a course MOOC.

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Abstract. *This project "IMPLEMENT AN ALTERNATIVE PREPARATION OF MASS TO FACILITATE TRAINING IN THE COMPUTER AREA WITH A COURSE MOOC.. ", involves the creation of a MOOC Course as a new method of education to current teaching methods that exist in the University, in addition to the starting point for future developments MOOC courses is planned to continue creating..*

Keywords

MOOC, Google Course Builder. Plataforma

Introduction

It all began in 1999, where the MIT (Massachusetts Institute of Technology) was the one who gave the beginning, when it releases its project OpenCourseWare¹, that from then on, an

unstoppable appeared higher education institutions in their own way, created similar projects coupled with its functionality and revealing all its contents, online repositories, and others.

The handling of this Latin American environment in higher education is the fundamental part of the OpenCourseWare project. This large network of universities members of this organization with a leading Open Courseware Consortium, which in 2013 more than 50 universities are part of this recognized brand and 60% of Spanish universities have their own web project.

Thanks to the defense of intellectual property and legal frameworks that exist today; several people individually, have created content and distributed, using their own modes of distribution technologies, formats and content is clear that through the network.

¹ (Massachusetts Institute of Technology)
<http://web.mit.edu/>

² OpenCourseWare
<http://ocw.mit.edu/index.htm>

Problem

The specific problem arises from the need or difficulty of by teachers or any entity of education, training when too many students as they arrive with relevant information to large groups of students in classroom courses not have been very effective to say nothing of a difficulty in meeting the planned contents also get the knowledge if it is almost nil, we imagine not having to assess such a large group as the above.

If you also look at the face part of the facility or possibility, which have educational institutions, make classroom education is monopolizing more and more and thus created new educational entities to attack these face problems that ultimately do not meet certain standards of education, largely hurting the people who put their trust in them to develop intellectually.

It also determines that there is a type of massive online academic education at local universities in the province of Imbabura, so it is a problem not innovate new methods of study, which facilitate training or would create greater opportunity for education.

Justification

The project gives way to create a massive preparation course in order to implement a new way of teaching, out of which we know, and institute this modality through dissemination will be part of the Technical University of the North, giving an advance of knowledge by the online world, this will benefit large extent the academic progress of the University.

According to the declaration of human rights Art. 26 "access to higher education is equal for all." 2008. Ecuador's Constitution Art. 28 "Public education is universal and secular at all levels, and free up the third level including higher education."

This makes a massive clumping of students to universities, because that can mediate with the implementation of this new modality occurs.

General purpose

Implement an alternative of mass preparation, to facilitate training in the computer area through the course MOOC.

Scope

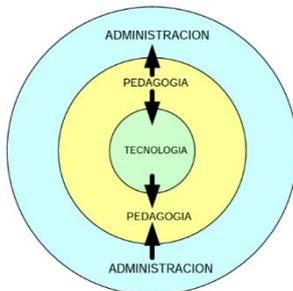
In this project is to implement a MOOC course, that based on the comparison of two platforms will prove which is best placed to develop the course, in which the means of dissemination will be the Technical University of the North where the theme of "Basic Computer" which consists of several modules to develop is the commitment in this research project will be the implementation of the first module called "Fundamentals Base".

This is the module to work for the MOOC course.

Módulo I	Fundamentos Base	El Computador
		Hardware y Software
		Sistema Operativo
		Almacenamiento
		Archivos y Carpetas

Methodology E - Learning

The proposed e-learning methodology based his point on 3 fundamental aspects of developing content for the web, which are essential to keep a clear layout in the virtual world of education. Therefore these aspects have in their branches inside emphasize methods.



Graphic 1: Stages of Development E-Learning

Fuente: <http://goo.gl/TgkWKH>, **Página 114**

The method called star of knowledge, find a clear link between training and use of technology. It also takes into account the management training and the possibility of publishing content through technology, the relationship is latent in each of its levels. Current pedagogical models greatly leverage the use of technology to generate quality information and the administrative side agrees to comply with guidelines concerning the development of e-learning method.

Administrative level: This level is the starting point for the development e-learning as institutions define the needs or points to attack by education or training. In this aspect or step it is called Diagnostics.

The next step is the formation of multidisciplinary teams to carry out these necessary areas in developing e-learning which are:

- Planning and Organization Area
- Area teacher training tutors
- Area of teaching and material development
- Technology Area

- Area of quality and evaluation

- **Teaching level:** The educational level and consists in the areas of the previous level, but this step is essential in the development of the course, because that's when you create the content published.

This level, must a design structure that is merely a systematic process: planning and educational materials designed based on the educational needs to provide. It has steps necessary to comply listed below:

- Analysis
- Design
- Development
- Implementation
- Evaluation

Tech Level: Last but not least has the technological level, which involves everything related to the implementation of the information or content on the web platform. This level also has to follow basic steps, which are:

- Technological education plan
- Selection of standard E-learning platform used
- Digitization of content
- Development of curriculum branch
- Publication of courses
- Classroom Management.

Analysis

MOOC course implementation presented different advantages and disadvantages in their work, which made these aspects are taken into account for future projects. Determining the structure of the course allows for greater management and control in it, the

help of the platform also features easy approaches for monitoring the students.

Among some of the benefits that could be found in the implementation of the platform was his relationship tools almost automatically, saving runtimes in that regard. Another highlight is value to the easy handling of content within the platform without extensive knowledge present within the branch computer for use. The friendly interface that presents the platform confirms the above.

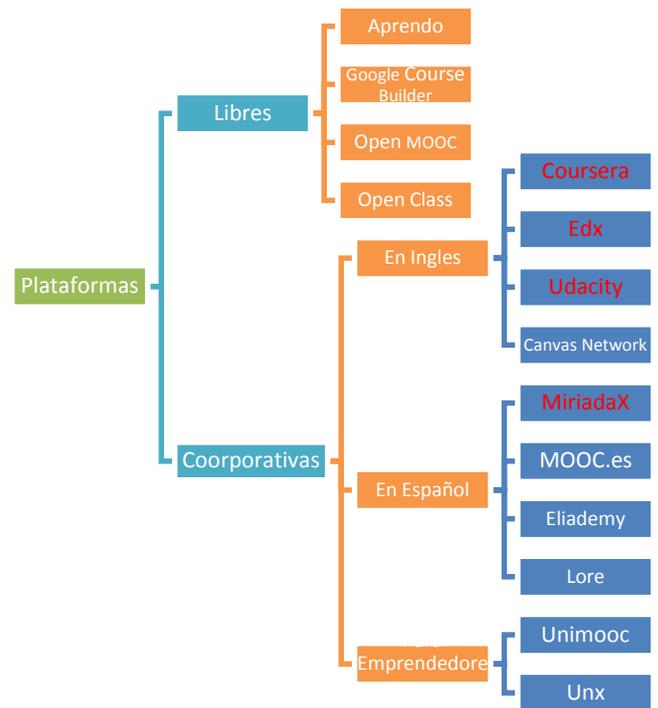
Among the disadvantages could be observed on the platform was the difficulty in managing evaluations and lessons, since management if you have dominance in the computer industry and greater control of performance tests for proper operation.

We also find some advantages and disadvantages that occurs in the area of content creation, which is a fundamental part of the course and its relationship with the platform.

La ventaja de una correcta creación de contenidos mediante la utilización de métodos o estudios que nos permitan realizar un contenido profesional, será la pauta clave de un curso correctamente enfocado tanto al modo presencial como al modo virtual. Con el contenido verificado correctamente la transformación del mismo a modo virtual no presenta dificultad alguna. Más la incorrecta generación de estos contenidos presentara cambios que repercuten en el ámbito virtual y se generan mayor tiempos de trabajo.

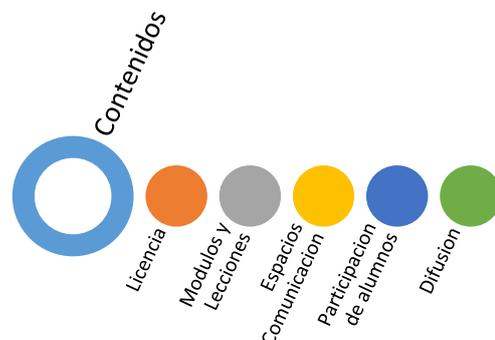
Another disadvantage presented to the course was the difficulty in creating the virtual content to not have a usual place of work adapted to the needs of the course, showing lengthening of time both in its realization or creation and in its inception.

Platforms Diagram



Source: Own

MOOC diagram structure



Source: Own

Conclusions

1. Se cumplió a su totalidad con los parámetros establecidos dentro de la planificación y proyecto para el correcto funcionamiento, dando inicio a posibles ejecuciones en la misma plataforma de métodos de educación a distancia y procesos similares.
2. The implementation of a new platform of education at the Technical University of North gives the institution a computer broader growth and higher educational institution that is always thinking of growth by using technological and tip.
3. The implementation of the course MOOC by the UTN gives greater scope to the educational institution and academic recognition worldwide in distance learning processes.
4. Through this project research work as a student allowed me to learn fundamentals to grow and to project as a professional future, without neglecting socio - cultural where my research is focused.
5. Using the platform of Google Course Builder (Free Software) and communication tools in the current project were very helpful and try to perpetuate the intention of creating MOOC courses in the same mode by performing a professional job.
6. The use of comparative benchmarking (comparative performance) platforms MOOC courses present parameters benefits of advantages as another platform at global level multiple general aspects.

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Recommended

1. It is advisable to follow this type of educational methods which are gradually becoming global trend in order to maintain an average current education. Creating a development agency MOOC benefit to regional, national and global educational progress.
2. Create an environment allowing MOOCs follow this trend and make the work of later courses at any branches; and the work of the university channel will not be mixed with creating videos of the MOOC courses.
3. It is a good idea to certify each of the students who complete the course, so they have a greater interest in current information and courses taught, avoiding the previous abandonment of the courses and the failure by those who can pass the same .
4. It is also recommended that the current course in "Basic Computer" is implemented on a mandatory basis in college, to avoid gaps computing new students become part of the university. Making this type of procedure and knowledge in a must as it is with the 5 levels of English.
5. Continuing the trend of using free software as it is Google Course Builder within the university, and we comply fully with state policies in their prioritization of using software that does not generate expenses.
6. The advertising aspect is an essential part for the course have swing. Then it is recommended that weeks before each of the courses, university media advertising communication facilitate the course in order to have a greater height of the public.

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