

تصميم نظام التعليم الإلكتروني في كلية التربية ابن هيثم (IHCOEDU) في جامعة بغداد.

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DESIGN AND EXECUTE AN E-EDUCATION SYSTEM FOR THE IBN HAITHAM COLLEGE OF EDUCATION (IHCOEDU) AT THE UNIVERSITY OF BAGHDAD

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Abstract

E-learning is an integrated, multi-source online interactive learning software system to provide courses, educational programs, educational activities, and e-learning resources for learners anytime, anywhere simultaneously, using interactive learning, information and communication technology tools, in a way that enables the teacher to evaluate the learner.

المخلص

التعليم الإلكتروني عبارة عن منظومة برمجية تعليمية تفاعلية متكاملة متعددة المصادر على شبكة الإنترنت لتقديم المقررات الدراسية، والبرامج التعليمية، والأنشطة التربوية؛ ومصادر التعلم الإلكترونية للمتعلمين في أي وقت وفي أي مكان بشكل متزامن وغير متزامن، باستخدام أدوات تكنولوجيا التعليم والمعلومات والاتصالات التفاعلية؛ بصورة تمكن المعلم من تقويم المتعلم. تم تطبيق النظام المقترح وبناء منصات تعليم إلكتروني لكلية التربية ابن هيثم احد كليات جامعة بغداد.

INTRODUCTION:

In all the learning fields, focus has been shifted from teacher centeredness to student centeredness. ICT technology has proven this capability in the shift. In the recent years, it has imposed huge demand on education and has influenced and changed its ordinary shape.

The internet cyberspace with its websites is chosen, because it has the potential to assist learners in e-education. They can gain on-line access to all kinds and various learning applications

such as lessons, instructions, dictionaries, pronunciation software, on-line quizzes, announcements, and reference materials, interactive and motivating computerized lessons. The internet offers the student and teacher unlimited out-of-classroom access to the computerized learning materials to complement the face-to-face benefits of classroom

IHCOEDU: IBN HAITHEM COLLEGE OF EDUCATION (PURE SCIENCES)

STATEMENT OF THE PROBLEM

Most of the ECIBPS academics, technical staff and students have very low ICT skills in e-learning platforms. There are real needs for scientific information about e-education , e-learning strategies and theories, software engineering of e-learning systems, computer networking, website development, CBT development, e-learning and education networking, capacity building, and the technique of coordinating education activities in Iraq.

Certainly, students will be challenged by different learning approaches, interaction, motivation, and evaluation methods by changing the students learning method from the traditional face to face into online learning environment. We need to encourage the students to embrace the effective and efficient approaches of

e-education, in order to strengthen both their learning achievement and their e-education motivation. In order to achieve that, we need a complete education MOOC framework which can manage all these activities and take into consideration all the different learning dimensions.

In Iraq, the education dimensions and elements are wider than other countries because of the unstable Iraqi conditions. To gain the desired benefits, we need a clear national strategy for adopting e-education and e-learning to start changing and pushing the Iraqi universities toward using the information technologies in all their daily lives inside these universities.

This goal cannot be achieved without good software infrastructures, taking into the consideration that computing resources, both hardware and software are very expensive for any university to afford in reasonable quantities and quality in the beginning. To achieve that, we need to design our layouts according to the exact **IHCOEDU** needs, leading technologies and specifications required, in order to let the **IHCOEDU** cope with dynamic computing changes in terms of cost, efficiency and relevancy.

After that, we need to train the **IHCOEDU** staff (academic, administrative and technical) on the ways, procedures, approaches and methods and this can be achieved by planning a good capacity building for them.

OBJECTIVES OF THE STUDY

This research is attempting to solve the problems of **IHCOEDU** by designing a complete e-education system which consisted of the following:

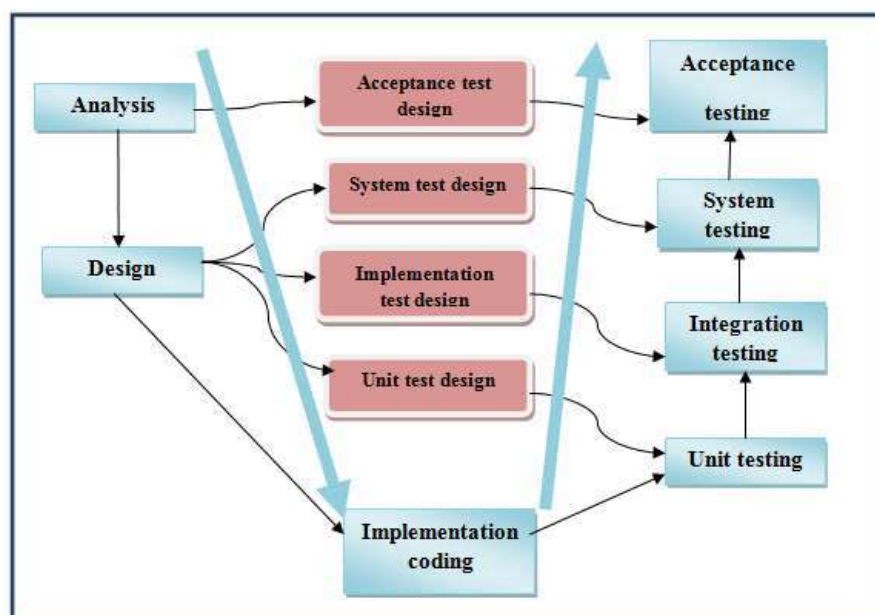
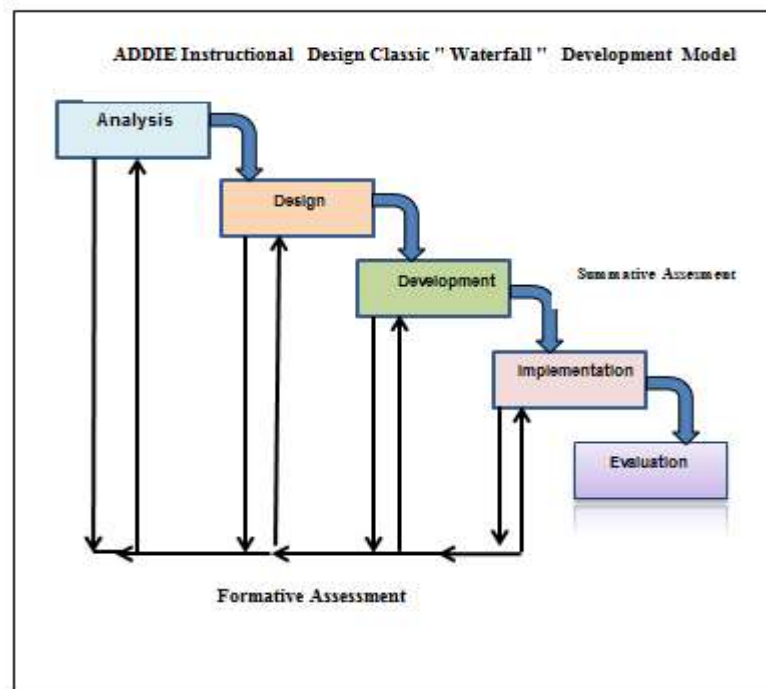
1. An e-education MOOC framework and platform that could be useful for the **IHCOEDU** in specific and Iraq in general.
2. Software solutions required for the e-education MOOC framework and platform in college.
3. An e-education strategy for the **IHCOEDU** and it could be useful for the college, Ministry of Iraqi Higher Education and universities.
4. A plan for the capacity building for the Human Resources in the **IHCOEDU**.

RESEARCH METHODOLOGY

This research is an experimental, and it is exploratory and descriptive in the field of adopting e-education as one of the best educational technologies. The general research framework of the

research methodology was driven by the critical inquiry for e-education in the IHCOEDU in Baghdad, Iraq in order to change the college condition towards better college conditions. It aimed to give the university HQ a complete educational technological and organizational e-education adopting solution.

A general waterfall ADDIE instructional design research framework was used in the research steps with a special design for each step and as a word of truth it was e-education, computer software engineering, and planning researches. The reason for design a special research framework for each step was the mix of the variety research activities and goals. The data required for the research will be collected from the previous studies, designed questionnaires, and interviews notes.



A statistical procedure for all the research parts will be designed and checked with studies and expertise. The results that will be obtained will be analyzed and discussed deeply in details. At the final step a final evaluation step will be done for the research and it will be achieved by a questionnaire

and some expertise meetings.

LIMITATION OF THE STUDY

The research framework design has some inherent limitation and it was chosen because it offers an efficient and powerful way to gain insight into e-education situation in IHCOEDU and as other researches and studies, this research was bounded to have limitation to it for several reasons, and they are:

1. It is a case study for the IHCOEDU, Baghdad, Iraq and it is the first limitation that it is bounded within the IHCOEDU only.
2. The experience in the field of e-learning and e-education in IIPS, Iraq.
3. It is the e-education system components which are the IHCOEDU e-education framework, the technological needs, the IHCOEDU strategy and the IHCOEDU human resources capacity building plan.
4. The research societies and it was the IHCOEDU academics, employees and learners, and the IIPS academics and experts.
5. The research was carried out during the limited period of time and it will be between November "2016" to October "2018".
6. The research data was build from the research questionnaires results, with taking into consideration that some respondents might not be able to provide the appropriate and correct responses percentages.

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