Developing an Internet-based information resource for communication and education purposes - a case study

A thesis

by

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Abstract

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This thesis reports on an investigation into the different elements/aspects concerning the design and development of a web site in order to facilitate effective learning and efficient communication between students and fellow students as well as lecturers and students. Contact learning and traditional communication are discussed in general versus distance learning and electronic communication. The pro's and con's of the above are set out as the research problems. The study comprises of four groups of respondents reacting on dimensions of education (content), communication, structure and design. The main contribution is to determine who the target population is and what the presentation of the content should be like to satisfy the need of this user.

It was found that a web site could promote learning and communication amongst all parties. The effectiveness of this project depends on how the design-related issues are applied and whether or not the content fulfils the needs of the target group.

Keywords: Interactive multimedia; effective learning; computer-mediated-communication; web design; enrolled students; potential students; self-regulated learners; Program in Interior Design.
Samevatting

Kandidaat: Friedel van Zyl
Promotor: Prof. Dr. J.C. Cronjé
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Titel: Die ontwikkeling van 'n Internet gebasseerde inligtingsbron vir doeleindes van kommunikasie en opvoedkunde - 'n gevalle studie

In hierdie verhandeling word verslag gedoen oor 'n ondersoek na aspekte rakende die ontwerp en ontwikkeling van 'n webblad ter bevordering van effektiewe leer endoeltreffende kommunikasie tussen studente en mede studente sowel as studente en dosente. Kontakonderrig en tradisionele kommunikasie versus afstandsonderrig en elektroniese kommunikasie word in die algemeen bespreek. Die voordele/nadele in albei gevalle word uiteengesit as die navorsingsprobleme. Die studie bestaan uit vier groepe respondente wat reageer op dimensies van onderrig (inhoud), kommunikasie, struktuur en ontwerp. Die hoofbydrae is om vas te stel wie die teikengroep is en op watter wyse die inhoud aan gebied moet word om te voldoen aan dié gebruiker se behoeftes.

Daar is bevind dat 'n webblad leer en kommunikasie by alle partye kan bevorder. Die effektiwiteit van hierdie projek is afhanklik van hoe die ontwerpbeginsels toegepas word en of die inhoud aan die behoeftes van die teikengroep voldoen al dan nie.

Sleutelwoorde: Interaktiewe multimedia; effektiewe leer; rekenaargesteunde kommunikasie; webontwerp; ingeskrewe studente; voornemende studente; selfgereguleerde leerders; Program in Interieur Ontwerp.
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