

## Background

The web has provided many advantages, such as news on updated events in the world and the ability to communicate with different people all around the world. The most valuable treasure the web has brought to us is the ability to gain knowledge for use in academic studies and research. We can now also disseminate our research results much more easily.

The purpose of this research is to find an easier way to trade knowledge between academics.

## Problem Statement

A literature study was undertaken and it was concluded that no digital academic library exists that is easy to use, has no copyright issues and is optimised for academic use. As a result, a virtual library will be created which will give access to many useful academic journal articles.

The project is aimed at helping academics with their research.

A visible, user friendly interface has to be created, that is easy to navigate and quick to operate, to gain access to the underlying database.

## Research Questions

In what way can a user interface be designed to give fast and effective access to a virtual library, while still providing easy navigation and a comprehensive interface?

How can a user Interface be improved for better usability?

+Literature analysis and user feedback

What are the common problems with user interfaces for virtual libraries?

+Perception from a study of user comments and reviews

## Expected Results

A functional Virtual Library, hosted on a domain with an easy to remember name.

A user friendly interface for the academic Library that is considered by most users to be user friendly.

Advanced search features that can help the academic enduser find the academic articles that are relevant to their line of research.

Easy navigation through the webpages that will not confuse the user.

## Bibliography

Arant W, Payne L. 2001. *The common user interface in academic libraries: myth or reality?* Library Hi Tech, 19(1 ). 63 - 76.

Koshman S. 2004. *Comparing usability between a visualization and text-based system for information retrieval.* Journal of Documentation, 60(5). 565 - 580.

Shiri A, Revie C. 2005. *Usability and user perceptions of a thesaurus-enhanced search interface.* Journal of Documentation, 61(5). 640 - 656.