University of Huddersfield Repository

Elzawi, A. and Wade, Steve

Barriers to ICT adoption in quality of engineering research in Libya: how to bridge the digital divide

Original Citation


This version is available at http://eprints.hud.ac.uk/id/eprint/13478/

The University Repository is a digital collection of the research output of the University, available on Open Access. Copyright and Moral Rights for the items on this site are retained by the individual author and/or other copyright owners. Users may access full items free of charge; copies of full text items generally can be reproduced, displayed or performed and given to third parties in any format or medium for personal research or study, educational or not-for-profit purposes without prior permission or charge, provided:

- The authors, title and full bibliographic details is credited in any copy;
- A hyperlink and/or URL is included for the original metadata page; and
- The content is not changed in any way.

For more information, including our policy and submission procedure, please contact the Repository Team at: E.mailbox@hud.ac.uk.

http://eprints.hud.ac.uk/
**ABSTRACT**

This paper aims to identify the barriers to the adoption of ICT in Quality of Engineering Research, and how to bridge the “Digital Divide” at Tripoli University through effective ICT implementation. The authors study the global digital divide with emphasis on the disparities in Information Technology between developed countries and Libya. It is obvious that effective ICT implementation should focus on understanding individual faculty needs. Then a thorough investigation is conducted in relation to the importance of implementing electronic education at Libyan universities, and of including faculty members in every step of the planning and implementation of up-to-date technologies, as well as the challenges and solutions of ICT implementation. This paper presents the factors that affect Internet use by staff members; how the Internet affects research and teaching; what the main purposes are for using Internet resources, and the level of Libyan research into IT development and implementation.

**Keywords:** Electronic education; technology transfer; ICT gap; digital divide.