

## **Web Accessibility for Deaf Pupils Education: the case of Cyprus**

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### **Abstract**

It is well known that deaf and hard of hearing pupils face a number of difficulties with written language. One of these is distinguishing the meaning of the same word appearing in different contexts. This, in addition to the observation that e-learning material available for school age children in Cyprus is not generally designed based on Accessibility considerations, became the motivation for the study presented. In this project e-learning material was developed to assist in the instruction of basic computing terminology to deaf pupils, which was otherwise taught in a more traditional way: through a textbook and exercises in a computer lab. The material to be developed would be multimedia-rich, with animations where appropriate to demonstrate the terms' meaning and use.

The User-Centered Design process was followed for the design and development of the material. The goal of incorporating accessibility into User-Centered Design is to design products that are usable by people with the widest possible range of abilities, operating within the widest possible range of situations (environments, conditions, and circumstances).