The Computerworld Honors Program

Honoring those who use Information Technology to benefit society

Final Copy of Case Study

Status:
Laureate

Year:
2013

Organization Name:
EKOICT

Organization URL:
ekoict.com

Project Name:
ICT training kits for hearing impairment

Please select the category in which you are submitting your entry:
Philanthropy

Please provide an overview of the nominated project. Describe the problem it was intended to solve, the technology or approach used, how it was innovative and any technical or other challenges that had to be overcome for successful implementation and adoption. (In 300 words or less.)

The ICT web-based training tool kit for the hearing impaired has been one of the needs for the hearing impaired in the sub-Sahara of West Africa upon my research. The world at large has now embraced information and communication technology. It has been well analyzed how great the impact will be if all the 6 billion lives on this globe acquired at least the basic knowledge to enable all to effectively use the equipment aiding the course of ICT, and this includes all the hearing impaired in every country. The acts of 2003 of the USA state "NO CHILD IS LEFT OUT" so the government of Ghana is going further in making it compulsory for all deaf schools to teach and train all students and pupils ICT as a curriculum subject. The problem upon research was that the hearing impaired

cannot read and understand the textbooks they are using. Also there are no simulation programs to aid them and the ICT terms in the textbooks do not always have a sign for the meaning in the Sign language. So, the project helps in interpreting the textbooks into a meaningful sign language context in a web streaming video form, and a dictionary consisting of most ICT terms translated into a meaningful sign. Also flash animated apps and an online quiz are all integrated.

When was this project implemented or last updated? (Please specify month and year.) Has it incorporated new technologies and/or other innovations since its initial deployment? (In 300 words or less.)

The project was implemented as a pilot project. Since there was inadequate funds, we first used html and javascript, but currently we are updating the technology into html 5 and also java base and that is ongoing. The first completion of the project was in June 2012 as a pilot project.

Is implementation of the project complete? If no, please describe the project's phases and which phase the project is now in. (In 300 words or less.)

We are still on the piloting phase of the project and updating the technology and it contents.

Please provide at least one example of how the technology project has benefited a specific individual or organization. Feel free to include personal quotes from individuals who have directly benefited from the work. (In 300 words or less.)

Currently not only the deaf are benefiting from the project even as a pilot project. Hearing ones whose friends are hearing impaired are also benefiting from the dictionary where they can learn the sign language to communicate with their friends. The teachers in the inclusive education sector who have hearing impaired pupils have now have an easy way of communicating and using the right terminologies.

Would this project be considered an innovation, a best practice or other notable advancement that could be adopted by or tailored for other organizations and uses? If yes, please describe that here. (In 300 words or less.)

Yes, the Educational sector that is the West Africa examination council can use this project to help all the hearing impaired who are to sit for the WAEC examinations, since this can be hosted on a network for all to surf and log in with

their account remotely, and learn even when absent from school due to unforeseen occurrences.

If there are any other details that the judges should know about this project, please note them here. (In 300 words or less.)

This is a web-based training tool kit for the hearing impaired but hearing ones can benefit from using the dictionary. We are currently using html5 and Java technology in updating the project. We used the American (ASL), Nigeria (NSL), and Ghana (GLS).