**Access to and inclusion in TVET in Africa through new ICT-based solutions**

Examples of good and innovative practice – Summary Sheet

<table>
<thead>
<tr>
<th>Title of activity</th>
<th>Development of an E-Learning curriculum for basic training in Computer and Internet dedicated to disabled and students with special needs</th>
</tr>
</thead>
</table>
| **Background / problem statement** | The Higher School of Sciences and Techniques of Tunis (UNEVOC Center – Tunisia) in collaboration with Virtual University of Tunis has set up a new certification on Internet and Informatics called “C2i”. The objective of this certification is to give students a basic training in computer and Internet.

This experience has started in the Higher School of Sciences and Technologies of Tunis in September 2007 by offering to all TVET students independently of their discipline, a basic training on informatics to ensure that every student has a minimum set of competencies in using the computer and the Internet. The curriculum is constituted by six courses; Word, Excel, Operating System, Collaborative Work, Initiation to Internet and ICT stakes.

Despite the important effort to develop these courses, never attention has devoted to handicapped students. Consequently the principal aim of our project is to offer to TVET students (and even others students) with different disabilities accessible versions of the courses listed below. |
| **Strategy / Description of the activity** | The object of our project is the development of an accessible e-learning version of “C2i” dedicated to disabled and students with special needs.

To reach our objectives we were based, work team composed by 9 members of the Research laboratory UTIC, on the WAI (Web Accessibility Initiative) guidelines developed by the World Wide Web Consortium.

The WAI gives a set of recommendations such as the Web Content Authoring Guidelines (WCAG) witch represent the field of our intervention.

To concretize these recommendations, we were used the 92 Accessi-Web check points defined by “Braillenet Association” in French.

The application of these check points gives us accessible content witch can be classified on three levels of accessibility: The first one called “AAA”, the second one is “AA” and the last one is “A”.

We started recently experimentations of this new curriculum with two blind students who appreciated very well the facility of accessibility to the contents and who gave us some recommendations that allowed us to improve more our contents. |
| **(expected) result(s)** | The developed courses are totally accessible and are labelled “AAA” witch represent the most high level of accessibility defined by the W3C

Consequently, all disabled people like blind, low vision and deaf ones are enable to access easily to these courses from anywhere and anytime. |
| Partners involved | Our principals partners in this project are:  
|-------------------|--------------------------------------------------|
|                   | ▪ Higher School of Sciences and Technologies of Tunis (ESSTT)  
|                   | ▪ Virtual University of Tunisia                   |

| Beneficiaries/target group | The target groups are, in a first step, particularly blind and low vision TVET students subscribed in the ESSTT and afterward this curriculum can be delivered to other TVET students and academic students. |

| Time frame (start/end, ongoing) | The project is started from June 2007 until now |

| Name and contact details of Institution | The research Laboratory UTIC (Unit of Technologies of Information and Communication)  
Higher School of Sciences and Technologies of Tunis (ESSTT)  
Address : 5, Avenue Taha Hussein,  
B. P. : 56, Bab Menara, 1008 Tunis, TUNISIA  
www.esstt.rnu.tn/utic |

| Name and contact details of person completing the form | Prof. Mohamed JEMNI  
Head of Research Laboratory UTIC  
[Email](mailto:Mohamed.jemni@fst.rnu.tn)  
[Website](http://www.esstt.rnu.tn/utic/english/memb_jemni.htm) |

| Further information to confirm your practice, e.g. web addresses, photo samples, CDs etc. | The new curriculum will be lunched soon at the web site of the Virtual University of Tunis [www.uvt.rnu.tn](http://www.uvt.rnu.tn) and at the web site of UTIC [www.esstt.rnu.tn/utic](http://www.esstt.rnu.tn/utic)  
However, we can provide you a provisional web access to this content before its official launch by the Virtual University of Tunis. |