The E-learning portal for Deaf and Hard of Hearing «How to get a job» uses various systems for delivering e-materials and for enabling communication among users.

**Server-side equipment:**
- video streaming server,
- web application server,
- broadband internet connection.

**Client-side equipment:**
- personal computer,
- broadband internet connection,
- web cam (optional).

E-material is given to:
- Employment Service of Slovenia,
- Institute of Deaf and Hard of Hearing Ljubljana,
- Association for Deaf and Hard of Hearing Podravje Maribor.

The project is partially supported by the European Commission within the framework of the Lifelong Learning Programme, project DEAFVOC 2. It is also partially supported by the Slovenian Research Agency in the framework of the Science to Youth program, financial support for young researchers.

For the content of the document is responsible University of Maribor, Faculty of Electrical Engineering and Computer Science. This document does not represent the point of view of the European Commission.

Authors:

University of Maribor
Faculty of Electrical Engineering and Computer Science

http://edu.uni-mb.si
Information and communication technology (ICT) with the growth of broadband connections has significantly contributed towards improving the e-learning materials, particularly for people with disabilities. The aim of adaptive e-learning is to provide everyone a simple and natural way of learning, irrespective to their disability. In comparison to e-learning, the traditional education demands a lot of adjustments and individual work with students, therefore much of work has to be done by teachers.

The lack of this form of materials is evident; therefore the project consortium has designed and implemented an e-learning portal, entirely translated into Slovenian sign language. It also supports tools for communication among participants.

The e-learning portal for Deaf and Hard of Hearing represents a modern and innovative e-learning system. Users can participate in distant education, regardless of their degree of hearing loss or preliminary knowledge, and can attend classes with tutors or by themselves.

The e-learning portal for Deaf and Hard of Hearing is based on a custom modified version of Moodle. In this way, the simplicity and stability of the system has been accomplished.

The e-material covers six sections where users can get advice for finding a job, writing a job application letter, curriculum vitae (CV) and using websites of Employment Service of Slovenia. These sections provide translations of written information into Slovenian sign language, exercises, quizzes and assignments.

Communication is managed by tools, translated in Slovenian language, as chat, videoconference and videoforum, where users can record themselves and post answers in sign language.

<table>
<thead>
<tr>
<th>Kako do zaposlite?</th>
<th>Forum</th>
<th>Klepetalnica</th>
<th>Videokonferenca</th>
<th>Slovar</th>
<th>Literatura</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Samoocena</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Iskanje zaposlitve</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Prijava na delovno mesto</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Prošnja za zaposlitve</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Življenjepis</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. eSvetovanje</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Communication tools in one place (chat, videoforum and videoconference), videoconferencing tool for live communication, multimedia materials, user-friendly interface.

- usage of transparent Sign Language Interpreter Module (SLI Module) for glossary,
- translations of written information into Slovenian sign language,
- subtitles in addition to sign language video,
- interactivity (exercises, quizzes, assignments),
- communication tools in one place (chat, videoforum and videoconference),
- videoconferencing tool for live communication,
- multimedia materials,
- user-friendly interface.

The glossary in Slovenian sign language, using transparent Sign Language Interpreter Module.