**Assistive technology – Computer Science Accessibility for all**

It is estimated that the community of the disabled consists of approximately 15% of the world population, therefore, students with disabilities (visual, locomotor, hearing, psychological) face unique challenges in learning Computer Science. These challenges can be overcome, however, with the use of specialized software tools and hardware equipment, collectively called assistive technology.

1. Online survey

The following survey (see link below) is based on an approach followed by many universities to integrate ethics and social responsibility topics into the Computer Science curriculum. It aims to explore your familiarity with accessibility aspects and to understand what is your opinion related to accessibility topics.

All items (1-15) are mandatory. This is graded work. Your answers to the open-ended questions will be awarded 1 point (0.25 p x4) to be added to your end-of-term exam score.

<https://forms.gle/2akdaPBxtirAmo4MA>

**2. Solution Generation: Tools/Strategies**

**One of the most important questions when assessing a student’s need for assistive technology is: *What are the tasks the student needs to do?***

These are some questions to consider:

1. the student needs to independently complete written work (reports, worksheets);
2. the student needs to navigate the Internet/ use email;
3. the student needs to take notes;
4. the student needs to take tests;
5. the student needs to be able to access educational/special software to enhance participation in the curriculum (eg. navigate a programming environment);
6. the student needs to show their work in Computer Science courses (eg. Coding, building real working apps/games/websites, etc.);

**Consider two of the above mentioned questions and list any assistive technologies and/or strategies you think will assist a Computer Science bachelor student with disabilities in successfully completing the tasks.**

Your answers will be awarded 1 point (0.50 p x2) to be added to your end-of-term exam score.

Fill in the following tables. Your answer should include the following aspects:

1.

|  |
| --- |
| Task |
| Product |
| Description |
| Feature match/disabilities addressed |
| Caveats/Observations |

2.

|  |
| --- |
| Task |
| Product |
| Description |
| Feature match/disabilities addressed |
| Caveats/Observations |