Helping students with disabilities in the study of programming and integration in ELTE Faculty of Informatics

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Faculty of Informatics

• Computer science is a good option
• 30-40 Disabilities students, five visually impaired
• Learning Methodology
• Learning guidance
A GEN Z’S JOURNEY
Well, that explains it...

1995

2004

2005

2006

2007

2008

2010

2012

2015

facebook

YouTube

iPad

Google

tumblr

whisper

World of Warcraft
Student Support Centre

Counselling
Course: special training program
Monitoring system
Mentor Program
Peer support Group

Coordinator: Henrik Helfenbein
The Aim of our program

Decrease the drop-out rate among students

Course: team-building, developing program solving skills and maturity, self-study methods, time-management, develop their identity of a programmer

Interview
Studying methods for programming

Strengths and weaknesses

Interview: Group work, fast, creative, adopting to new language programming is not very easy, reading codes, understand your tools

KNUT: tex – use
Studying methods for mathematics

Improve skills in using linear measuring devices

Improve skills in interpreting and constructing tactile graphics

interview: different for all subjects, teaching these skills for others
Accessible e-learning materials:
ELTESCROM¹: Andor Abony- Tóth

LEARNING MATERIALS WITH A NEWLY DEVELOPED FRAMEWORK, CREATED THROUGH DESIGN

Webpage: easier to make them directly accessible
• The freedom and simple extendibility of the ELTESCORM framework makes it possible to integrate elements in the materials which are not supported in other frameworks, including SVG animations, Google Maps entries or Mashup application.
1. Abonyi-Tóth, A. (2016) The automatization of the creation of accessible multimedia e-learning materials with a newly developed framework, created through design-based research; XXIX. Didmattech 2016, Eötvös Loránd University, Faculty of Informatics, Budapest.

2. Eisenhower National Clearinghouse. (2003). Mathematics and science for students with special needs. *ENC Focus, 10*(2), p 43. The web site was selected as an exemplary resource from the ENC Collection to illustrate this issue's theme of turning special needs into special opportunities.
Thank you for your attention!

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