Abstract

With the advent of technology, online education has come to the forefront with millions of online courses attracting users from all over the world. To aid and abet the rising popularity of these courses, emotionally intelligent computer software is required that can deal with the varied needs of the user as opposed to a general course for everyone. A system is proposed that can effectively gauge the learner’s capabilities, cognitive states and frame of mind by analyzing their expressions, learning speed and other factors. Such a system will radically change the world of online and distance education.

References

- Department of Psychology, University of Toronto "Can Computers Possess Emotional Intelligence?", http://psych.utoronto.ca/users/reingold/courses/ai/emotional.html
- Auto Tutor, http://www.autotutor.org/
- Facial expression analysis, http://www.affdex.com
- Dexter Johnson, "MOOCs Teach AI to Grade Computer Programs as a Human Would", http://spectrum.ieee.org/at-work/education/moocs-teach-ai-to-grade-computer-programs-as-a-human-would

Index Terms

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Keywords

Artificial emotional intelligence; MOOCs; online tutoring; AI; tutoring system