



“With new knowledge come new thinking and new solutions to problems we did not realise existed. With new knowledge come new challenges and definitions.”

## Introductory

Senior, J., & Gyarmathy, E. (2021)

Distinguished colleagues,

The importance of technology and the scientific foundations on which it is built cannot be overstated. It is not enough to only focus on the outcomes of other people’s decisions. We must be proactive in ensuring that the values embedded in today’s technologies are made clear and communicated to the people who use them to foster responsible innovation and ensure progress for the whole society. Even though students can use various IT solutions in their spare time, educational institutions should provide them access to cutting-edge technologies on campus to help them be successful in their projects and to enhance their learning experience.

Learning initiated and directed by the learner is frequently the most effective type of learning. Widespread student access to virtual reality headsets and powerful computers is possible only if educational institutions make these tools available. Students who do not have direct access to these technologies in their lives outside school must be able to access this technology through university computer labs or classrooms. The availability and accessibility of technology are essential requirements for encouraging development in the educational technology field while students are on their formal education path. In addition, school decision-makers need to recognise the possibilities of technology and their places of application in order to achieve the greatest impact, which would encourage the management of these institutions to make the necessary investments. The mission of our journal is to help decision-makers to more effectively learn about the potential of modern educational technologies and recognise their benefits.

Students and teachers are already being influenced by information technology innovations at colleges and universities. Their implementation can also be seen in a variety of fields of education. It is now possible to use, for instance, advanced virtual reality platforms and technologies, such as virtual reality labs, to their fullest extent even in nursing and medical schools. However, for this method to succeed, the student must be motivated and willing to make an effort. In addition, the teacher must be familiar with the possibilities of technology in order to implement it in teaching, which will, through a creative approach to the transfer of knowledge, lead to greater motivation of students to make an effort.

A growing number of learning styles will be discovered through advanced data analytics and personalised enhanced pedagogy. In conjunction with edge computing, immersive visualisation will soon make it possible to deliver a personalised learning experience directly to a student’s vision. Students’ motivation and knowledge retention are firmly linked, but the true potential lies in achieving a high degree of personalisation in the learning experience.

We all have the potential to revolutionise educational standards and methods. For this reason, it is up to us to initiate the changes in our community, our school, campus, our classroom. We must face new challenges and definitions brought about by new technologies and new knowledge. There is no better moment to start than now.

Dr Valentin Kuleto

  
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