

Students' perceived obstacles with Forced Online Distance Learning during the CoVID-19 outbreak and their preferences to continue with the introduced teaching methods after the reopening of the University of Maribor

Zaznane težave z vsiljenim učenjem na daljavo v času izbruha COVID-19 in želje študentov po nadaljevanju učenja z metodami vpeljanimi med zaprtjem, po ponovnem odprtju Univerze v Mariboru.

Kosta Dolenc, Faculty of education, University of Maribor

 <https://orcid.org/0000-0003-3277-2198>,

kosta.dolenc@um.si

Mateja Ploj Virtič, Faculty of natural sciences and mathematics, University of Maribor

 <https://orcid.org/0000-0002-3340-7611>,

mateja.plojvrtic@um.si

Andrej Šorgo, Faculty of natural sciences and mathematics, Faculty of electrical engineering and computer science, University of Maribor

 <https://orcid.org/0000-0002-6962-3922>

andrej.sorgo@um.si



Abstract

The COVID -19 outbreak forced most universities into distance teaching. The aim of the research was to investigate the response of university students to the new situation. For the purpose of the research, an instrument was put together which consisted of four parts. The first part contained questions about the use of different forms of online learning before and after the closure of the university. The second part contained four sets of statements related to constructs: Organizational Support, Perceived Ease of Use, Learner attitude toward online learning, Satisfaction and Attitude. The third part contained questions about preferences to use various forms of online learning after university closure. The fourth part contained demographic questions.

The survey took place at the University of Maribor, Slovenia at the beginning of the first wave of Covid-19 between 29 March 2020 and 9 April 2020. The research population consisted of Slovene-speaking university students from the University of Maribor, Slovenia (hereinafter students). The survey instrument was partially completed by 606 students The fully completed data included 414 students. The components of the appendix are the instrument, a printout of the descriptive statistics from the 1Ka portal, SPSS data.

The results of the research are presented in the papers (publication status on 28.4.2021):

- Ploj Virtič, M., Dolenc, K., & Šorgo, A. (2021). Changes in online distance learning behaviour of university students during the Coronavirus disease 2019 outbreak, and development of the model of forced distance online learning preferences. *European Journal of Educational Research*, 10(1), 393-411.
<https://doi.org/10.12973/eu-jer.10.1.393>
- Šorgo, A., Ploj Virtič, M., Dolenc, K. (2021). Differences in personal innovativeness in the domain of information technology among university students and teachers [submitted manuscript]
- Dolenc, K., Šorgo, A., Ploj Virtič, M. (2021). The difference in views of educators and students on Forced Online Distance Education can lead to unintentional side effects. *Education and Information Technologies* [accepted manuscript],
<https://www.10.1007/s10639-021-10558-4>

and at scientific Conference Innovative Use of ICT in Higher Education: Challenges and Opportunities (Conference IKTVVIS):

- Ploj Virtič, M., Dolenc, K., Šorgo, A. (2020). *Študij na daljavo na Univerzi v Mariboru v času izbruha CoVID-19 in napovedni model študija na daljavo za čas po ponovnem odprtju univerze*. V: Inovativna uporaba IKT v visokem šolstvu: izzivi in priložnosti: konferenca IKTVVIS, online, 24. - 25. september 2020. Ljubljana: IKTVVIS. 2020, <http://iktvvis.si/SekcijaCC12.html#povzetek50>
- Šorgo, A., Ploj Virtič, M., Dolenc, K. (2020). *Razlike med univerzitetnimi učitelji in študenti v osebni inovativnosti na področju informacijskih tehnologij*. V: Inovativna uporaba IKT v visokem šolstvu: izzivi in priložnosti: konferenca IKTVVIS, online, 24. - 25. september 2020. Ljubljana: IKTVVIS. 2020, <http://iktvvis.si/SekcijaC21.html#povzetek10>

Povzetek

Zaradi izbruha COVID-19 je bila večina univerz prisiljena v poučevanje na daljavo. Cilj raziskave je bil preučiti odziv študentov na novo situacijo. Za potrebe raziskave je bil sestavljen instrument, ki je sestavljen iz štirih delov. Prvi del je vseboval vprašanja o uporabi različnih oblik spletnega učenja pred in po zaprtju Univerze. Drugi del je vseboval štiri sklope trditev, ki so se nanašale na konstrukte: Organizacijska podpora, Zaznana enostavnost, Odnos do spletnega učenja, Zadovoljstvo in Odnos. Tretji del je vseboval vprašanja o željah glede uporabe različnih oblik spletnega učenja po odprtju univerz. Četrty del pa vsebuje demografska vprašanja.

Raziskava je potekala na Univerzi v Mariboru, Slovenija, v začetku prvega vala epidemije Covid-19 med 29.3.2020 in 9.4. 2020. V njej so bili zajeti slovensko govoreči študentje iz Univerze v Mariboru v Sloveniji (študenti). V raziskavi je inštrument delno izpolnilo 606 študentov. Analizirani popolni podatki so zajemali 414 študentov. Sestavni deli priloge so inštrument, izpis deskriptivne statistike iz portala 1Ka, SPSS podatki.

Rezultati raziskave so predstavljeni v znanstvenih člankih (status objav na 28.4.2021):

- Ploj Virtič, M., Dolenc, K., & Šorgo, A. (2021). Changes in online distance learning behaviour of university students during the Coronavirus disease 2019 outbreak, and development of the model of forced distance online learning preferences. *European Journal of Educational Research*, 10(1), 393-411.
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- Šorgo, A., Ploj Virtič, M., Dolenc, K. (2021). Differences in personal innovativeness in the domain of information technology among university students and teachers [submitted manuscript]
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<https://www.10.1007/s10639-021-10558-4>

in znanstveni konferenci Inovativna uporaba IKT v visokem šolstvu: Izzivi in priložnosti (konferenca IKTVVIS):

- Ploj Virtič, M., Dolenc, K., Šorgo, A. (2020). *Študij na daljavo na Univerzi v Mariboru v času izbruha CoVID-19 in napovedni model študija na daljavo za čas po ponovnem odprtju univerze*. V: Inovativna uporaba IKT v visokem šolstvu: izzivi in priložnosti: konferenca IKTVVIS, online, 24. - 25. september 2020. Ljubljana: IKTVVIS. 2020, <http://iktvvis.si/SekcijaCC12.html#povzetek50>
- Šorgo, A., Ploj Virtič, M., Dolenc, K. (2020). *Razlike med univerzitetnimi učitelji in študenti v osebni inovativnosti na področju informacijskih tehnologij*. V: Inovativna uporaba IKT v visokem šolstvu: izzivi in priložnosti: konferenca IKTVVIS, online, 24. - 25. september 2020. Ljubljana: IKTVVIS. 2020, <http://iktvvis.si/SekcijaC21.html#povzetek10>