The Development of a New Generation of Teachers in the ICT Field

ABSTRACT

One of the challenges is to ensure the required number of academic staff with relevant competence. This number is impacted by aging teaching personnel, PhD students who are either completely or partially refusing to teach, and differences in monetary incentives between the education and information technology sectors. For this reason, the Faculty of Informatics of Kaunas University of Technology [1] has started an initiative "The Development of New Generation of Teachers (DONGOT)" in 2023.

INTRODUCTION

The aim of this pilot study was to investigate students' and mentors' motivation, attitudes, and experiences throughout the DONGOT initiative.
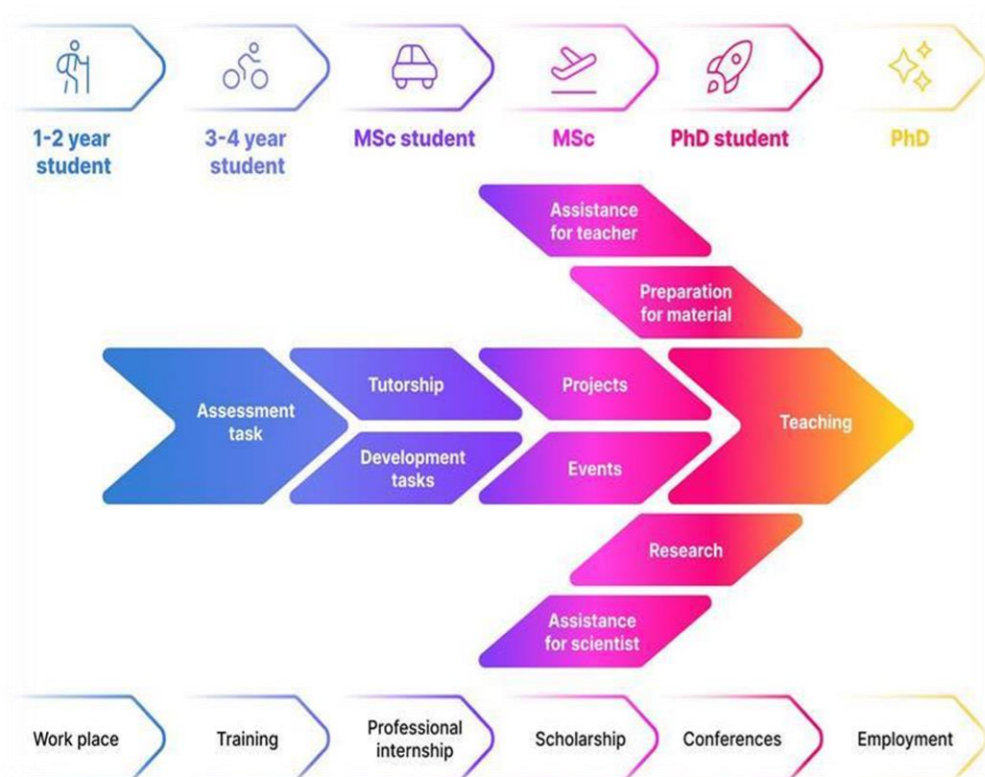

Fig. 1. Principle scheme of DONGOT initiative

DONGOT initiative (see Fig. 1.) is based on mentorship. This interaction between faculty members and students allows a better understanding of the various perspectives on academic career paths. Moreover, develops a sense of community, professional skills, and social skills. Fig. 2. and Fig. 3. illustrate different activities provided by mentors.

The investigation was done through questionnaire surveys. It should be noted, 7 mentors and 12 students responded to the survey.

ACTIVITIES

Fig. 2. DONGOT students contribute to the preparation of virtual reality entertainment for various events and exhibitions.

Fig. 3. DONGOT students participated in various activities related to teaching pupils and teachers from secondary schools.

RESULTS AND CONCLUSIONS

The pilot study demonstrated that the DONGOT initiative has a positive effect. However, The DONGOT initiative's dissemination has to be improved, and more various activities and peer-to-peer seminars should be included.
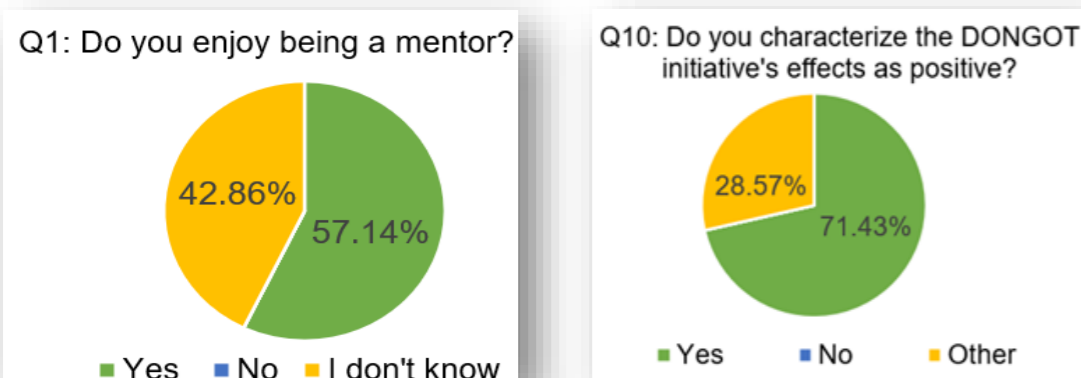

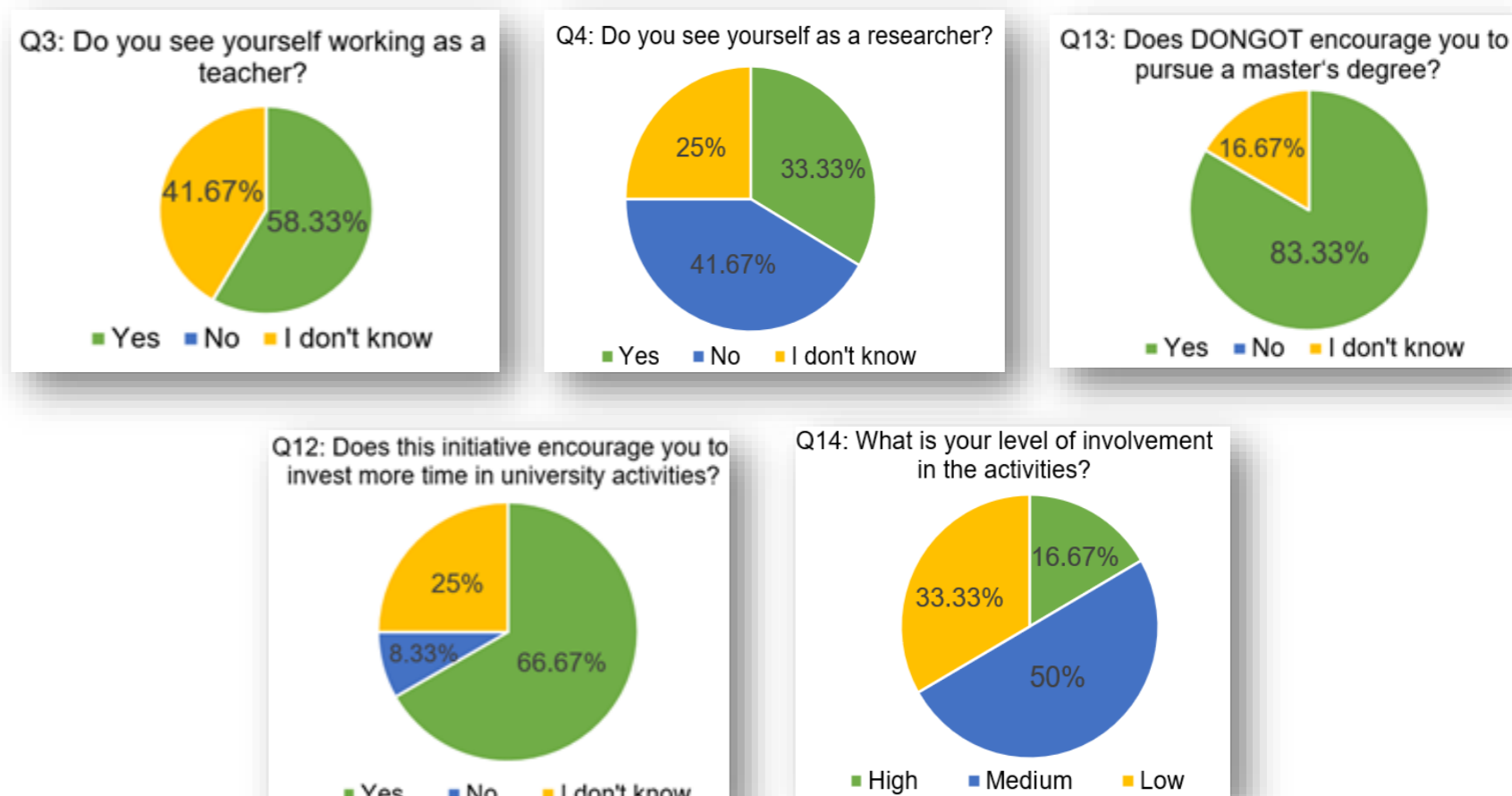**Fig. 4.** Responses from the mentor's survey

Fig. 5. A few results from the student's survey

REFERENCES

[1] KTU, "Homepage URL." Accessed: May 18, 2024. [Online]. Available: https://fi.ktu.edu/

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