Implementation of Transformative Digital Learning in Doctoral Program of Pedagogical Science in Latvia. lzp-2018/2-0180

Skype seminar of the project group
11.01.2019.

*Principal performer, professor emeritus
of the University of Latvia,
senior researcher of RTA*

1.Theoretical background of the research
2. Accents for research tool creation
3. Performers and responsibilities
4. Researchers' seminars in January – June, 2019

What will the current generation of digital learners benefit of the research? In brief:
- societies exist *in* transmission, *in* transitions and *in* communication – ability of constant activities and changes;
- develop characteristics of the current generation of digital learners;
- appropriate preparation of educators' competence for changing pedagogy;
-appropriate programs for doctoral studies and adult further learning.

1. *Theoretical background of the research for the benefit of the current generation of learners: brief statements:*

- Vigotsky's (1978) and Leoniev's (1978) theories with the accent on *human development in educational action* (practical, mental, social; formal, informal or non-formal);
- *individuals, as active agents*, are brought together with other agents and the *cultural-social environment.*
- While Psychology deals with: what it is and how it develops?
- Pedagogy deals with: *how to better assist/personalize* individual development *in cooperation*?

Therefore Four sub-systems of *digitally mediated action* (Blayone, 2018):

(a) relating to building and maintaining *human-machine pairings* - meta-functional, technical and operational;

(b) *mediating cultural expression* address internalization and externalization largely determined by rules and values of participating communities;

(c) *automatization of actions* by reducing them to formal procedures (algorithms) run by a machine;

(d) the most complex sub-system addresses *digitally-mediated collaboration.*

Changing pedagogical provision:

- education becomes focussed on developmental and educative effect;
- prioritizes evaluation, especially self-evaluation;
- new balance between students' sense of freedom and educators' assistance in cooperation;
- still preserves face-to-face communication as a human mode of value exchange;
- stronger accent on learners' autonomy, re-shaped learning content structures and the process;
- personalized achievements based on critical knowledge creation instead of dominating knowledge acquisition;
- digital possibilities of view exchange and sense-making communication;
- speedy knowledge internalization and externalization;
- quality learning by accent shifting among cognitive processes etc.;
- transformative pedagogy - the learner participates in a process creation;
- transfer and understanding of cultural values in collaborative learning etc.
- assessment emphasizes the development of 'whole brain' capacity and capability for collaboration;
- after transformation individuals see themselves and the world in more effective manner - their assumptions are modified to better fit their real context;
- special accent on competent learning about learning, etc.

Personell and areas of responsibilities:

Dokt.students - ***Mihails Kijaško, Rundāne*** – preparing platfor for students and programs; doctoral research of the problem; doctoral studies begin in February
Anda Abuže – technical assisten of all activites in the e-environment; master's research and provision of e-environment for the project (researchers, doctor students, e-learners);
Dr. Svetlana Ušča- data processing.

Researchers' seminars in January – June, 2019

1. 11.01.2019, Skype session. The starting point: theoretical underpinning and research tool.

   Principal performers.

2. 11.- 15.02.2019. Visit of the Institute of Technologies, Ontario University, Canada. Digital transformative online learning, platform, models etc.

   Principal performers,
   Mihails Kijaško, Olena Mikhailenko

3. April, 2019. Skype session. EILAB experience and lessons in Latvia, platform, data processing, analysis and tool evaluation. Preparation for digital e-learning within doctoral program (and adult learning). Details for further investigation.

   Principal performers.
   Mihails Kijaško, Anda Abuže, Svetlana Ušča,
   Rundāne, doctoral and master students

4. May, 2019. Conference 'Society. Integration. Education" in RTA: Project's theoretical presentation and article. Preparation for experimental testing of a doctoral course on pedagogical paradigms. Possible Skype conference. *Principal performers.*

5. June, 19.-20., 2019. RTA Conference "Environment. Technologies. Resources": 2 project presentations and 2 articles. Testing of a model of digital e-learning for doctor students (and adult further learning). Draft plans for September-December, 2019. Meeting of the project group.

Principal performers.