

Report on Webinar

Project title	Improving STEM Teaching Process using Digital Transformation
Project acronym	DIGSTEM
Project reference number	22310113
Coordinator	University of Pristina in Kosovska Mitrovica
Project start date	September 01, 2023
Project duration	13 months

EVENT DESCRIPTION

Date	06th March 2024
Authors of the report	Vladimir Maksimovic, Jelena Todorovic, Branimir Jaksic, University of Pristina in Kosovska Mitrovica
Consortium	<ul style="list-style-type: none"> • University of Pristina in Kosovska Mitrovica - coordinator • Lublin University of Technology • Obuda University • University of Zilina • Universum College
Venue	Lublin University of Technology (LUT)
Event title	WEBINAR: "Implementation of STEM principles in education system"
Event description:	
<p>Summary</p> <p>This document reports the webinar hosted by University of Pristina in Kosovska Mitrovica (UPKM) entitled "Implementation of Stem Principles in Education System". The webinar was chaired on the 6th March 2024 by the UPKM the main coordinator of the project. The participants of this event were students, teaching and non-teaching staff from WB HEIs and V4 HEIs. The webinar was held online where all interested parties could participate via zoom link or live at the Faculty of Technical Sciences in Kosovska Mitrovica. Through the webinar, students, teaching and non-teaching staff of HEIs were introduced to the capacities and state of the partner institutions and thus create space for a way that will enable the implementation of STEM principles in education.</p> <p>Event description</p> <p>Following the registration of participants, which began at 9:30 a.m. via zoom registration link available on project website and social networks. Rector of UPKM Prof. Dr. Nebojsa Arsic, took the floor to welcome and introduce the event and thanked all attendees, partners and participants of the webinar. Rector supported the initiative and emphasized the importance of this topic for UPKM. Dr. Vladimir Maksimovic, Project Coordinator, took the floor to announce the agenda of the webinar. The first topic was the presentation of the survey results conducted at all partner institutions for students and teachers. The survey was conducted in order to analyze the current state of STEM in the teaching process. From 10:15 a.m. to 11:15 a.m. representatives of all HEIs (Dr. Jelena Todorovic - UPKM, MA. Dijana Latifaj - UNIVERSUM IC, Prof. Dr. Michał Charlak - LUT, Prof. Dr. Andras Horvath - OBU, Prof. Dr. Emilia Madudova - UNIZA) presented the survey results and gave their conclusions. After the presentation of the survey results, the thematic presentations began, where Prof. dr. Radovan Madlenak (UNIZA)</p>	

presented their laboratory HMI-LAB and its use for STEM education. His university colleague Prof. Dr. Jiri Tengler presented STEM integration in the educational process. At 11:45 a.m. representatives of Obuda University Prof. dr. Victor Gonda and Prof. dr. Agota Dregelyi-Kiss presented: Collaborative workshop module in moodle and using the moodle quiz for assessment. After the presentations, the webinar attendees had the opportunity to ask questions and express their interest in the topic.

Following a productive discussion that took place at 12:00 a.m., all participants were given the opportunity for a coffee break at 12:15 p.m.

At 12:30 p.m. the presentation Using of escape rooms in the teaching process has started by speakers Dr. Agnieszka Gandzel, Prof. Dr. Michal Charlak (LUT). Also, the speaker, Prof. Dr. Michal Charlak (LUT) gave a presentation on: Using the question bank for creating tests in the Moodle.

Then Dr. Vladimir Maksimovic (UPKM) at 13:00 p.m. continued on presentation titled Smart Classroom: Multifunctional Smart Room for Interactive Education and Connectivity. After that, Prof. Dr. Branimir Jaksic (UPKM) presented Implementation of a Multimedia Television System as an Educational Laboratory at Faculty of Technical Sciences in Kosovska Mitrovica.

This webinar provided a continuation of the STEM capabilities and the presentation titled Using AI for STEM courses by speaker MA. Uran Rraci (UNIVERSUM IC) began at 13:30 p.m. After that, as last presentation on the webinar, MA. Ilir Berisha (UNIVERSUM IC) presented Virtual Reality (VR) and Augmented Reality (AR) in STEM Education

At 14:00 p.m. a final discussion session was held, during which participants had the chance to share their insights, ask questions, and provide recommendations based on the knowledge gained during the webinar event. This session served as a valuable exchange of ideas and a platform for collaborative thinking.

Conclusions

The webinar was successful because WB and V4 HIEs shared their experiences, good practices, and potential solutions for the application of STEM in the teaching process. All planned agenda items were fulfilled. In addition to interesting keynote speeches, the participants discussed in more detail about next activity (publication).

During the webinar, many new innovative ideas were learned and an insight into the work of the laboratories of all partner institutions was gained. Students and staff from WB HEIs and V4 HEIs had the opportunity to compare their experiences with the work and experience of partners from other HEIs, which encourages their further advancement. The webinar proved to be very important for teaching and non-teaching staff.

Webinar – Agenda

Webinar: Implementation of STEM Principles in Education System	
09:30-10:00	Participants registration
10:00-10:15	Welcome and introduction <i>Prof. Dr. Nebojsa Arsic, Rector of University of Pristina in Kosovska Mitrovica</i> <i>Dr. Vladimir Maksimovic, University of Pristina in Kosovska Mitrovica</i>
10:15-11:15	DigSTEM Survey - Presentation of the Results <i>Dr. Jelena Todorovic, University of Pristina in Kosovska Mitrovica</i> <i>MA. Dijana Latifaj, Universum International College</i> <i>Prof. Dr. Michał Charlak, Lublin University of Technology</i> <i>Prof. Dr. András Horváth, Obuda University</i> <i>Prof. Dr. Emília Madudová, University of Zilina</i>
11:15-11:30	HMI-LAB and its Use for STEM Education <i>Prof. Dr. Radovan Madleňák, University of Zilina</i>
11:30-11:45	STEM Integration in the Educational Process <i>Prof. Dr. Jiří Tengler, University of Zilina</i>
11:45-12:00	Collaborative Workshop Module in Moodle <i>Prof. Dr. Viktor Gonda, Obuda University</i>
12:00-12:15	Ágota Drégelyi-Kiss: Using the Moodle Quiz for Assessment <i>Prof. Dr. Ágota Drégelyi-Kiss, Obuda University</i>
12:15-12:30	Break
12:30-12:45	Using of escape rooms in the teaching process <i>Dr. Agnieszka Gandzel, Prof. Dr. Michał Charlak, Lublin University of Technology</i>
12:45-13:00	Using the question bank for creating tests in the Moodle <i>Prof. Dr. Michał Charlak, Lublin University of Technology</i>
13:00-13:15	Smart Classroom: Multifunctional Smart Room for Interactive Education and Connectivity <i>Dr. Vladimir Maksimovic, University of Pristina in Kosovska Mitrovica</i>
13:15-13:30	Implementation of a Multimedia Television System as an Educational Laboratory <i>Prof. Dr. Branimir Jaksic, University of Pristina in Kosovska Mitrovica</i>
13:30-13:45	Using AI for STEM courses <i>MA. Uran Rraci, Universum International College</i>
13:45-14:00	Virtual Reality (VR) and Augmented Reality (AR) in STEM Education <i>MA. Ilir Berisha, Universum International College</i>
14:00-14:30	General discussion and conclusions

Useful Information

All the information that was needed for participation and registration, as well as complete documentation after the webinar, can be found on the website digstem.pr.ac.rs.

WEBINAR


IMPLEMENTATION OF STEM PRINCIPLES IN EDUCATION SYSTEM

The webinar will be organized online and teaching and non-teaching staff from WB HEIs and V4 HEIs will participate. Through the webinar, students, teaching and non-teaching staff of HEIs will be introduced to the capacities and state of the partner institutions and thus create space for a way that will enable the implementation of STEM principles in education.

Date: 6th March 2024 at 10AM

Organizer: University of Pristina in Kosovska Mitrovica

Participants: Obuda University, University Zilina, Universum Collage, Lublin University of Technology

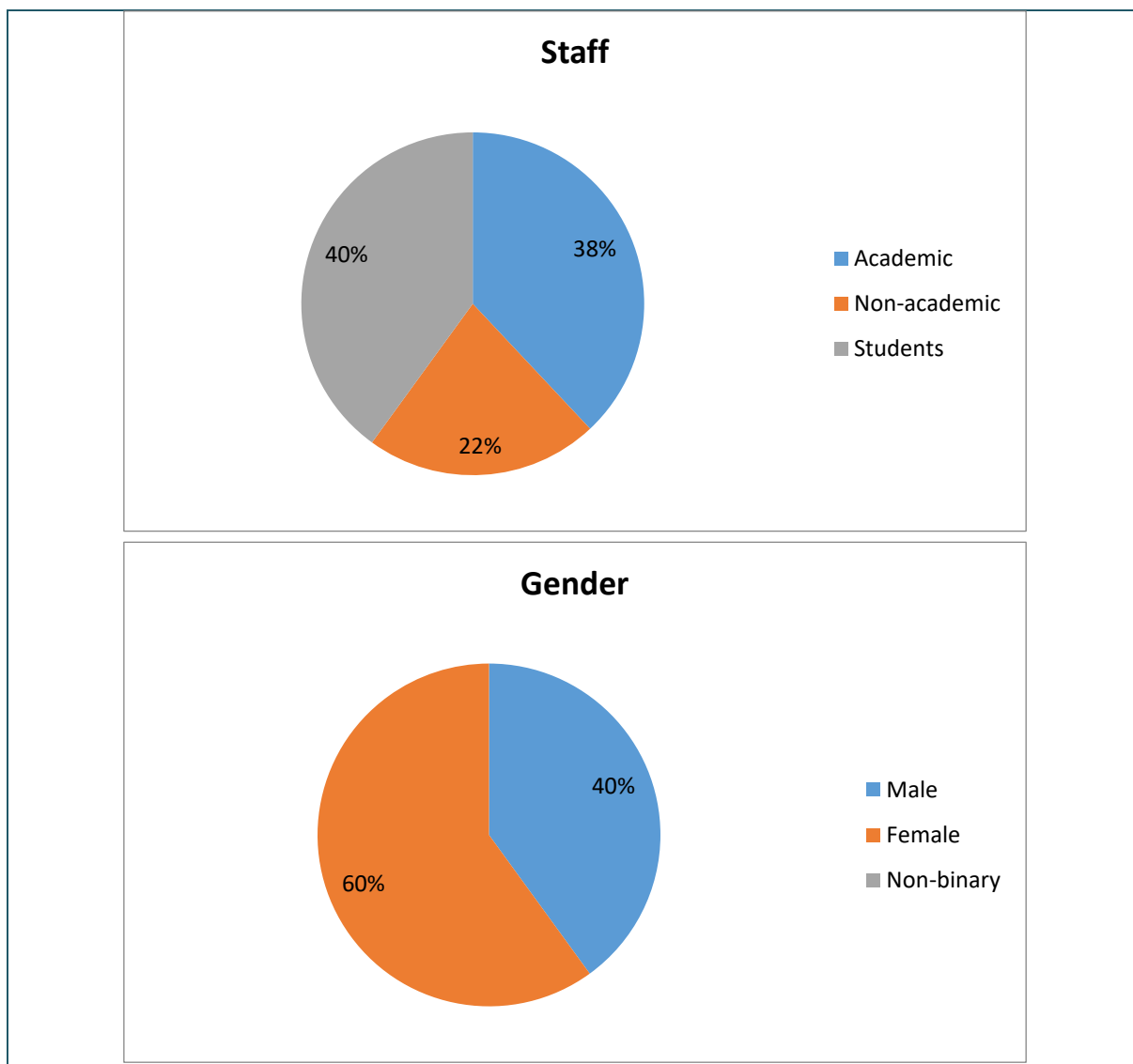


Supported by

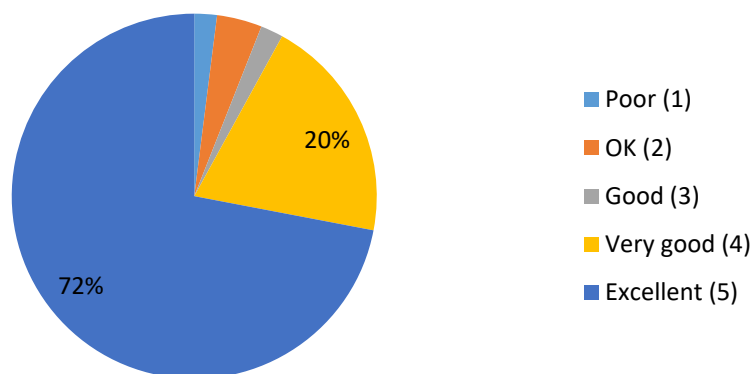
• Visegrad Fund

REGISTER ONLINE AT
[**www.digstem.pr.ac.rs**](http://www.digstem.pr.ac.rs)

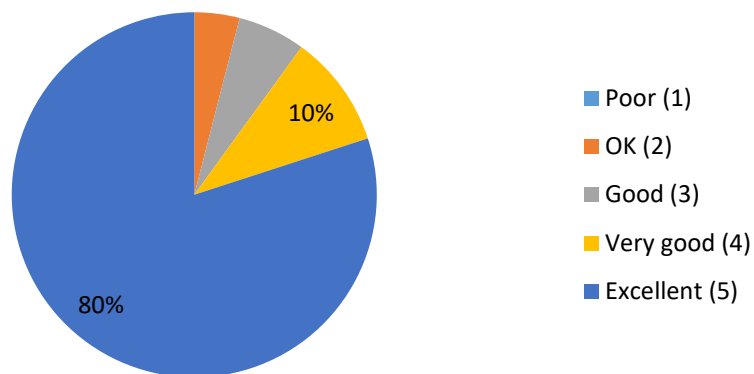
Event Evaluation List



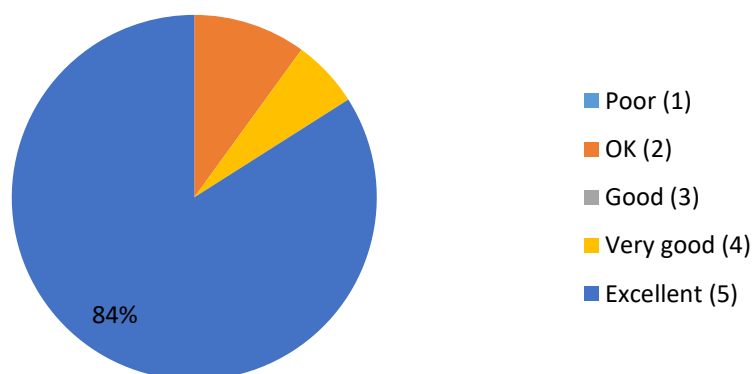
Logistic preparation and organization of webinar



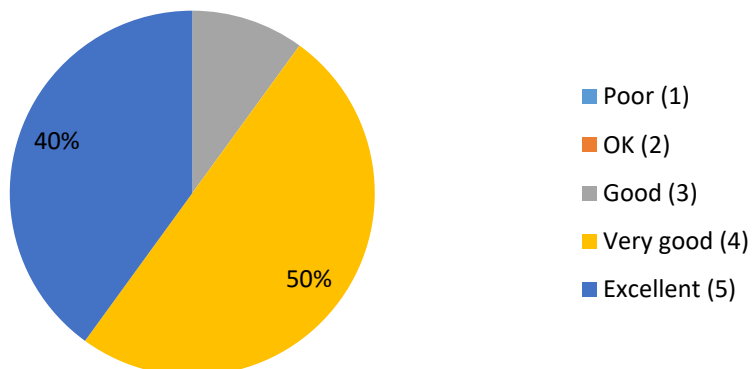
Content of the Agenda



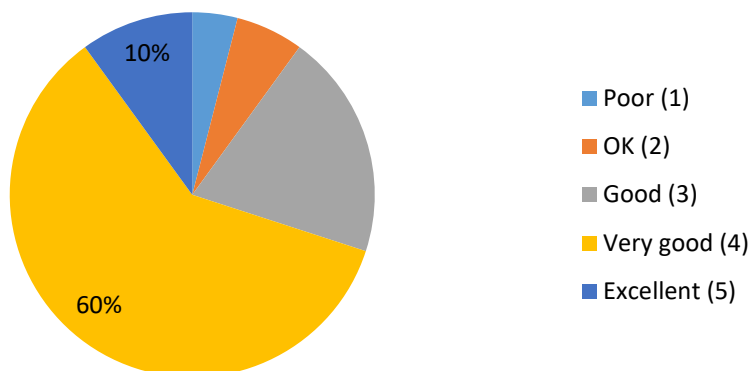
Arrangements of the webinar



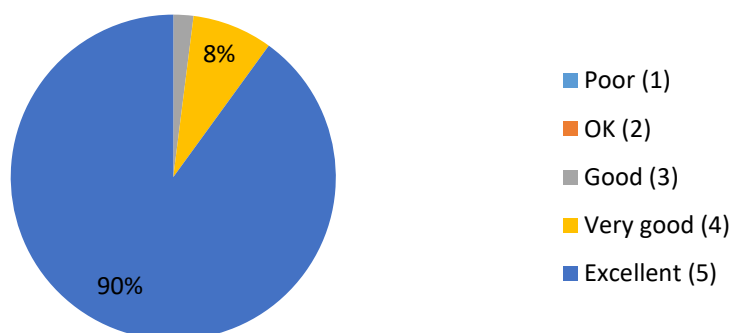
Communication before the webinar



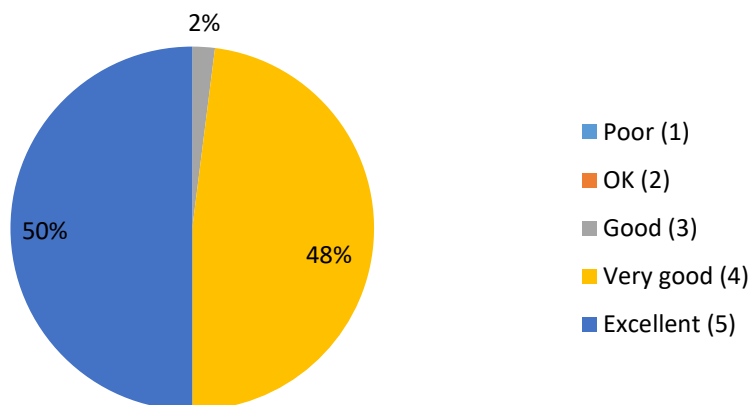
Duration and timetable of the webinar



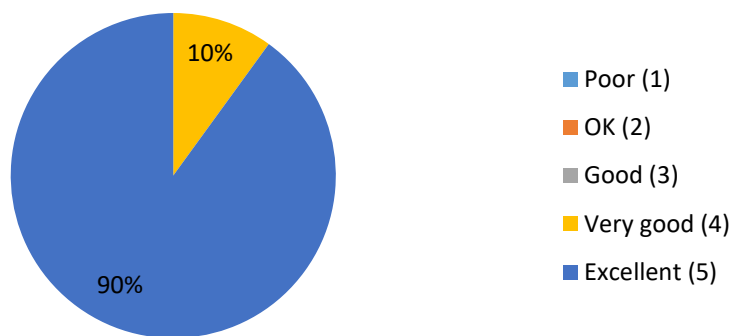
Quality of materials provided during the webinar



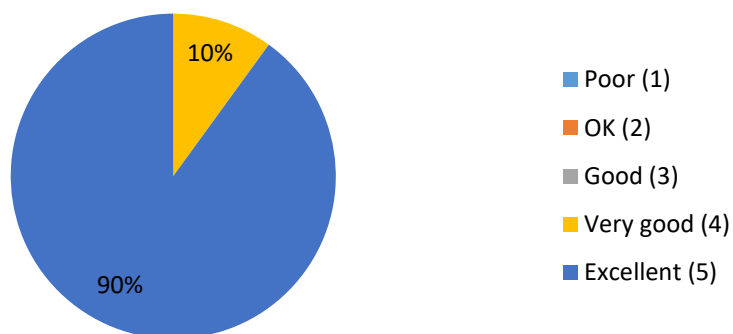
Quality of presentations



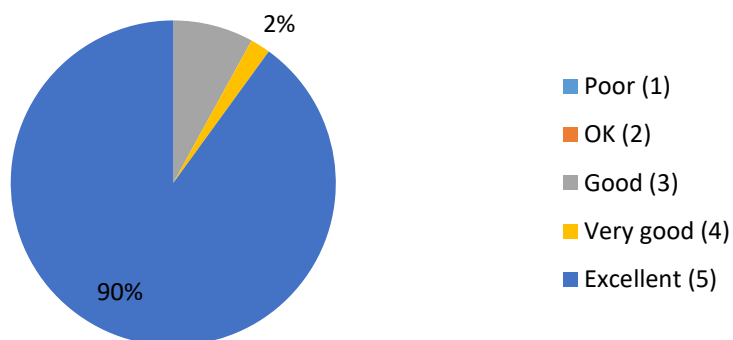
Communication between the coordinator of the project and the other partners



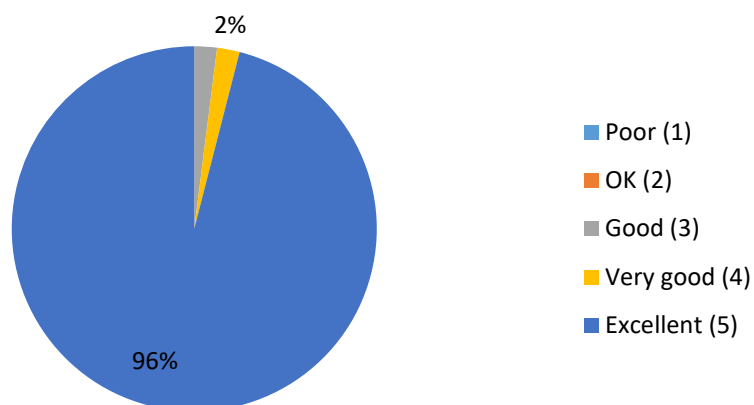
Communication between the coordinator of the project and the other partners



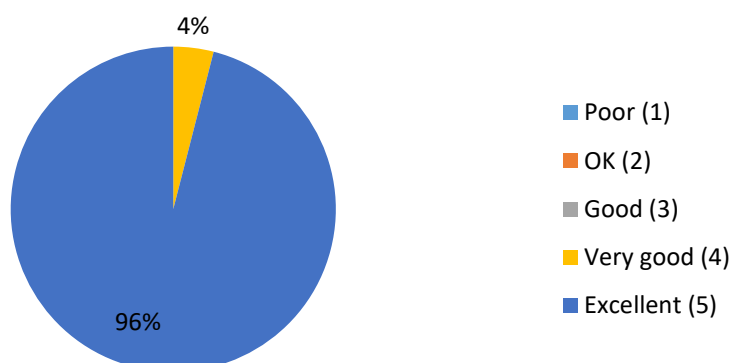
Objectives in the agenda regarding the DIGSTEM project are reached



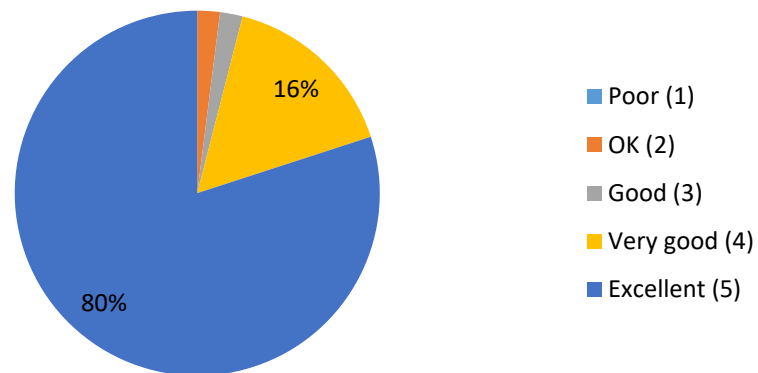
Mode of reaching the decisions at the webinar



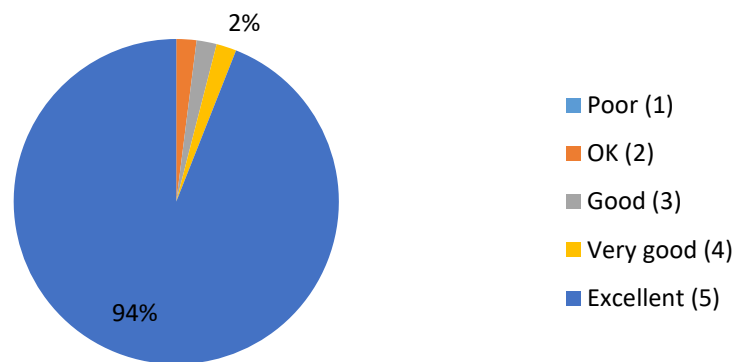
Opportunities to express your opinion and influence decisions



Achievement of the webinar and project goals




Discussion of tasks for the upcoming activities and meetings



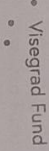
Webinar - Attendance list

Attendance list



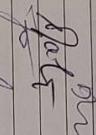

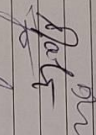

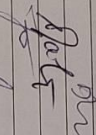

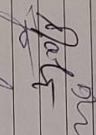

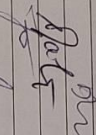

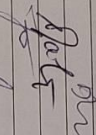

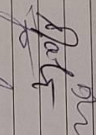

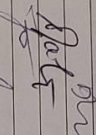

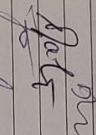

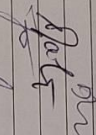

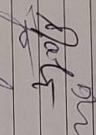

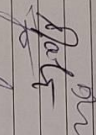

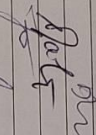

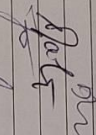

Improving STEM Teaching Process
using Digital Transformation

Project acronym: DIGSTEM
Grant No. 223L0113



DIGSTEM - ATTENDANCE LIST

Event	Webinar "Implementation of STEM Principles in Education System"
Venue	University of Pristina in Kosovska Mitrovica - Faculty of Technical Sciences
Date	06th March 2024 at 10 AM
Organizer	University of Pristina in Kosovska Mitrovica

No.	Name	Institution acronym	E-mail	Signature	Signature for pictures & audiovisual material publication ¹
1.	Dimirijije Dordevic	UPCKM	dimirijije.dordevic@upckm.rs		
2.	Berimirije Javasilic	UPCKM	berimirije.javasilic@upckm.rs		
3.	Jelena Todorovic	UPCKM	jelena.todorovic@upckm.rs		
4.	Nebojsa Arsic	UPCKM	nebojsa.arsic@upckm.rs		
5.	Aleksandra Petrovic	UPCKM	aleksandra.petrovic@upckm.rs		
6.	Milos Subotic	UPCKM	milos.subotic@upckm.rs		
7.	Mirjana Dasic	UPCKM	mirjana.dasic@upckm.rs		
8.	Radmila Djekic	UPCKM	radmila.djekic@upckm.rs		
9.	Vukobratovic	UPCKM	vukobratovic@upckm.rs		
10.	Stefan Ivanovic	UPCKM	stefan.ivanovic@upckm.rs		
11.	Miroslav Todorovic	UPCKM	miroslav.todorovic@upckm.rs		
12.	Mirjana Dasic	UPCKM	mirjana.dasic@upckm.rs		
13.	Mirjana Dasic	UPCKM	mirjana.dasic@upckm.rs		
14.	Goran Vucetic	UPCKM	goran.vucetic@upckm.rs		

By signing this you agree to give permission to the hosts of the event to take pictures and audiovisual footage of you, during this event and publish those in public mediums such as website, social media, media outlets & printed promotional materials. The usage of the pictures shall be solely for purposes of event and topic related promotional events and initiatives.

No.	Name	Institution acronym	E-mail	Signature	Signature for pictures & audiovisual material publication ²
15.					
16.	БЕЧЕНДЗЕ, Андрей	FTH	aleksandra.andzovic@ftk.rs	Маријана	Маријана
17.	Владимир Доксиновић	OPKM	vladimir.doksic@opkm.rs	В	В
18.	РАЈКОВИЋ, Невил	URKM	neka.vesic@pr.ac.rs	Нева	Нева
19.	Снежана Митровић	FTH	snezana.mitovic@pr.ac.rs	Снежана	Снежана
20.	Марија Рагојина	FTNKM	marica.radicic@pr.ac.rs	Марија	Марија
21.	Марија Рагојина	FTNKM	marica.radicic@pr.ac.rs	Марија	Марија
22.	Марија Рагојина	FTNKM	marica.radicic@pr.ac.rs	Марија	Марија
23.	Александар Поповић	OPKM	aleksandar.popovic@pr.ac.rs	Александар	Александар
24.	Бранко Ступић	URKM	branko.stupic@pr.ac.rs	Бранко	Бранко
25.	Мирко Ступић	FTNKM	mirko.stupic@pr.ac.rs	Мирко	Мирко
26.	Мирко Ступић	FTNKM	mirko.stupic@pr.ac.rs	Мирко	Мирко
27.	Мирко Ступић	FTNKM	mirko.stupic@pr.ac.rs	Мирко	Мирко
28.	Мирко Ступић	FTNKM	mirko.stupic@pr.ac.rs	Мирко	Мирко
29.	Мирко Ступић	FTNKM	mirko.stupic@pr.ac.rs	Мирко	Мирко
30.	Мирко Ступић	FTNKM	mirko.stupic@pr.ac.rs	Мирко	Мирко
31.	Мирко Ступић	FTNKM	mirko.stupic@pr.ac.rs	Мирко	Мирко
32.					
33.					
34.					
35.					

²By signing this you agree to give permission to the hosts of the event to take pictures and audiovisual footage of you, during this event and publish those in public mediums such as website, social media, media outlets & printed promotional materials. The usage of the pictures shall be solely for purposes of event and topic related promotional events and initiatives.

Photos

