TELECOMMUNICATION IN THE PROCESS OF EDUCATION AT UNIVERSITIES

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Nowadays, the world has faced a major problem - a coronavirus pandemic. Because of this, university education is conducted in a distance format using telecommunications programs. These programs make it possible maintain a direct connection between teachers and students, as well as control the entire educational process during the semester. The most popular programs which are used to hold online education are called Zoom and Google Meet - services for creating video conferencing. Zoom is a product of an American company, developed in 2011. Zoom gained popularity amid the 2020 pandemic. Google Meet was released in 2017.

If you need to create a video conference, it can be done very easily. All you need is free internet access and Google Meet or Zoom apps are easily installed on your smartphone, laptop or other device. There are visual cues which help to customize the app and find the features you need.

To compare these programs, we can say that they both have a similar interface and capabilities. Google Meet only exists as a web and mobile version. A desktop program is required for Zoom to work on a computer. The maximum number of participants during a conference in Zoom is 1000 people, in Google Meet - 250 people.

In Zoom, a user can create a meeting, join it using a link, enter a conversation using chat, transfer files, change the background without using a chroma key, and share their screen. During the screen sharing, the user has an access to the "Whiteboard" function, where he can draw or take notes alone or together with the conference participants. Zoom interface consists of 4 tabs: home, chat, conference, contacts. On the tab, the main user can create or join a conference, enable screen sharing, and schedule a video conference. In the "Chat" tab, the user can start a text conversation with a person from contacts, "Video conference" - a tab with information about current and past sessions, "Contacts" - a list of people added during conferences or in person. Zoom also has a high quality of the transmitted image. The free version of Zoom has a limit of 40 minutes for the duration of the conference and the number of participants; to disable it, you must purchase a paid subscription.

In Google Meet, you can create a new meeting, schedule it, or start it instantly. To get to the "meeting" the user must request an access for him by the link or the meeting number. During a conference, you can turn on or off the camera and microphone, show browser tabs or screen, chat, share files, collaborate with participants in Google Jamboard, change the background, change the participant display mode, and turn on subtitles that will be displayed automatically. Google Meet is available for free, and you must subscribe to Google Workspace Business Plus or Enterprise to record meetings and create a conference for 250 participants.

Both services are suitable for video conferencing. If the user is closer to the Google infrastructure, then it is worth choosing Google Meet. If you need to create conferences for 100 people, then you should choose Zoom.

To summarize, we can say that the educational process using telecommunications programs has become very modern, easy and accessible to all. The technologies give lots of opportunities as for learners so for teachers (2, 2019). Implementation of the telecommunication into the learning process has changed learning process greatly. However, the above programs need to be improved, for example: reducing the use of RAM on the device or faster data exchange on the network, but they do help to continue education, regardless of global circumstances or global problems.

References:

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