

Course name: Human Computer Interaction

Assignment no.: 4

Title: The Impact of Covid-19 on Education and New Ideas for Enhancing the Education

Subtopic 1. The Impact of Covid-19 on Learning

The Covid-19 pandemic has brought about significant changes in many aspects of our lives, including the way we learn. With the closure of schools and universities to prevent the spread of the virus, many institutions have shifted to online learning. This has changed the traditional learning environment and the way students interact with their teachers and classmates.

All learning involves some form of interaction. In some cases, such as reading a book or watching a video, the interaction is between the learner and the content without involving the teacher in the interaction process. In other cases, such as having a discussion or listening to a lecture, the interaction happens mostly between the learners and the teacher. While this has been a significant change, it has both pros and cons.

The shift to online learning has changed the nature of these interactions. While online learning offers flexibility and convenience, it also presents its own set of challenges. Some students may find it difficult to stay engaged and motivated in an online environment. The lack of face-to-face interaction can also make it harder for students to connect with their teachers and classmates. In my experience, there are a lot of temptations when teaching via Zoom. Since Zoom is mainly done on laptops, it's hard to concentrate on web surfing, social media, and other temptations during class. Also, asking questions in recorded video lectures is a hassle because you have to email them or take time out of your day to find them.

Despite these challenges, online learning also has its advantages. It allows students to learn at their own pace and on their own schedule. It also provides access to a wider range of resources and materials. Additionally, online learning can help students develop important skills such as self-discipline and time management. In my experience, Zoom or recorded video lectures are available for replay. This allows you to revisit areas you don't understand and study

at your own pace. This is also true for studying for a test or completing an assignment later. For recorded lectures, you can stop and replay them midway through the class. If you don't have enough time to take notes or your head hurts too much, you can stop and listen again later.

In conclusion, Covid-19 has had a significant impact on the learning environment. The shift to online learning has changed the way students interact with their teachers and classmates. While it presents its own set of challenges, online learning also offers many advantages. Ultimately, the impact of Covid-19 on the learning environment varies from person to person.

Subtopic 2. New Ideas

Issues/Needs	Your idea that solves the issue/need	Detailed interaction methods
Presentation of the content	Using 3D hologram for presentation.	If you watch Iron Man, there are a lot of scenes where Tony Stark is touching holograms to create things and communicate information to the audience. You can present, touch, zoom, rotate, move, and interact with holograms in this way. Although this technology seems far from reality, a lot of research has been done recently and 3D holograms are possible and touching holograms is possible. If you combine these technologies and conduct additional research, I think it is not impossible.
Nervousness in presentations	Presentation glasses : we can see the information in glass	When we present, we often get nervous and forget what we've prepared to say. So I think it would be nice to have glasses to slow down the words I prepared. Simply put, there is a script on the left eyeglass that is only visible to the wearer. When the voice recognition finishes reading the script on the glasses, it moves on to the next one.
Improve LMS system	This idea is applied at Handong University. Currently, LMS	Our current LMS system doesn't allow us to watch videos in the app itself, and we get notifications, but they're not important. When I try to watch a video in

	<p>systems are specialized for PCs and are inconvenient on mobile. You can add several features to the mobile version to make it more convenient.</p>	<p>the app, it takes me to chrome or browser. It would be nice to see this in the app itself. Also, I get a notification that an assignment is up, but there is no alarm to remind me if I haven't submitted the assignment. It would be nice to improve this so that students can interact with it as they normally would.</p>
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