Senior Design Group 24: Transcription Study Assistant [Instructor Survey]

DESCRIPTION: For our Senior Design project, we are looking to develop a product that will generate supplementary study materials (e.g. handouts, flash cards, and quizzes) based on the key concepts discussed during a lecture. An application will be designed to allow professors the ability to generate these materials, as well as provide students with access to those materials. In addition to an application, we will be designing a device that will record lecture audio and video, and interface directly with the application. The supplementary material will be generated based on the data recorded from this device, or any other lecture data provided by a professor. The device will be connected to a users laptop.

Your responses to the following questions will be used to inform the decisions we make during this project. Responses will be anonymous.

Do you currently have lecture recordings from past lectures

○ Yes

○ No

○ Unsure

Would you be comfortable sharing those with our senior design team?

○ Yes

○ No

○ Unsure

Please select all types of lecture recording material you would like to share with us.

☐ Transcripts

☐ Video

☐ Audio

Please provide an email address so a member of the team can contact you regarding the lecture recordings.

_____

Do you have experience recording lectures?

○ Yes

○ No

Did you have any issues with the device you were recording with?

○ Yes

○ No

○ Unsure

Please describe the issues you experienced with the device you were recording lectures with.

_____

Would you use our product in class?

○ Yes

○ No

○ Unsure/No Preference

What type of audio and video recording system would work BEST for you?

○ Separate microphone on a desk, video camera in the back of the class

○ A device that sits on a desk that contains both a microphone and a video camera

○ A separate lapel microphone and a video camera in the back of the class

○ Unsure/No Preference

○ Other _____

Do you want the device to detect and record student voices as well?

○ No, only the instructor's voice

○ Yes, both instructor and student voices should be detected and recorded

○ Unsure/No Preference

Would you want the camera to follow you, remain at a fixed point, or have an option for both?

○ Follow

○ Fixed Point

○ Option For Both

○ Unsure/No Preference

Would you prefer a wider or narrower focus (e.g. wide aspect ratio / fisheye lens)

○ Wider Focus

○ Narrower Focus

○ Unsure/No Preference

End of Block: Hardware Investigation

Start of Block: Software Investigation

Do you have experience with lecture recording or transcript generating software?

○ Yes

○ No

○ Unsure

Please provide the name of the software you used to record lectures and/or generate transcripts. (e.g. MS Teams, Zoom, etc.)

_____

What did you LIKE about the software? Select all that apply.

☐   The software was easy to use

☐   The transcripts were accurate

☐   The sound quality was good

☐   The video quality was good

☐   It was easy to control who had access to the lecture recordings

☐   Unsure

☐   Other _____

What did you DISLIKE about the software? Select all that apply.

☐   The software was difficult to use

☐   The transcripts were not accurate

☐   The sound quality was not good

☐   The video quality was not good

☐   It was difficult to control who had access to the lecture recordings

☐   Unsure

☐   Other _____

Would you like to be able to control student access to the generated materials? (e.g. students enrolled in the class, only students enrolled in that specific section, or all students having access to materials)

○ Yes

○ No

○ Unsure/No Preference

Would you like to have the ability to control what type of recorded or generated material is shown to students? (e.g. opting to not provide the video, or to not provide a specific handout, etc.)

○ Yes

○ No

○ Unsure/No Preference

Would you like to see student feedback on generated materials?

○ Yes

○ No

○ Unsure/No Preference

Would you like the ability to provide feedback on how well your lecture was interpreted?

○ Yes

○ No

○ Unsure/No Preference

Would you like to receive feedback regarding your lecture (e.g. the key concepts that were talked about, how often a topic was revisited, summary of the lecture, etc.)?

○ Yes

○ No

○ Unsure/No Preference

What type of feedback would you like to receive? Select all that apply

☐ Summary of the lecture

☐ List of the key concepts discussed

☐ The number of times a topic was revisited during lecture

☐ The amount of time it took to discuss each topic

☐ Unsure

☐ Other _____

What operating systems would you like the application to be compatible with? Select all that apply.

☐ Windows

☐ MacOS

☐ Linux

☐ iOS

☐ Android

☐ Unsure/No Preference

☐ Other _____

Please explain why you would like to use this device during your lectures.

_____

[OPTIONAL] What are other features that you believe would make this product more useful to you?

_____

[OPTIONAL] What are other features that you believe would make this product more useful for students?

_____

[OPTIONAL] What other advice would you like to add?

_____

End of Block: General Questions