

2022年度 個人研究実績・成果報告書

2023年04月23日

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研究課題	Live streaming lectures, Multi-Camera VS Single Camera				
研究キーワード	Live streaming lectures, Multi-Camera, Single Camera, Online video	当年度計画に対する達成度	3.概ね順調に研究が進展し、一定の成果を達成したが、一部に遅れ等が発生した		
関連するSDGs項目	8.働きがいも経済成長も	9.産業と技術革新の基盤をつくろう	17.パートナーシップで目標を達成しよう	4.質の高い教育をみんなに	
<p>1. 研究成果の概要</p> <p>This research aimed to evaluate the potential effectiveness of multi-camera live streaming compared to single-camera live streaming in maintaining student engagement in the context of online education, by building and testing both systems.</p> <p>The research methodology involved building and conducting tests on single-camera and multi-camera live streaming systems. These tests were designed to assess the feasibility and potential effectiveness of both systems for maintaining student engagement during live streaming lectures. The multi-camera system used multiple cameras filming at different angles to provide distinct views of a single scene, while the single-camera system used a web camera with a wide-angle static shot.</p> <p>The results indicated that both single-camera and multi-camera live streaming systems were successfully built and tested. The multi-camera system showed promise in potentially enhancing student engagement by providing multiple views of a single scene. The single-camera system, while simpler in its setup, may not provide the same level of engagement due to the limited perspective it offers. However, further research with a larger sample size and more rigorous data collection is needed to draw definitive conclusions.</p> <p>The tests conducted on the single-camera and multi-camera live streaming systems suggest that a comprehensive study comparing their effectiveness in educational settings could provide valuable insights into student engagement and motivation. Further research is recommended to confirm the initial observations and help universities make informed decisions about incorporating multi-camera live streaming to enhance the learning experience for their students.</p> <p>2. 著書・論文・学会発表等（査読の有無及び海外研究機関等の研究者との国際共著論文がある場合は必ず記載）</p> <p>【論文（査読あり）】</p> <p>None</p> <p>【著書・論文（査読なし）】</p>					

【学会発表等】

3. 主な経費

The main expenses for this research project were related to the construction and testing of the video camera and streaming systems. This included purchasing necessary equipment, such as cameras, cables, and streaming hardware, and monitors.

4. その他の特筆すべき事項（表彰、研究資金の受入状況等）

None

(本文は2ページ以内にまとめること)