Enhancing Faculty Educational Video Production Proficiency to Elevate Teaching Practices and Boost Learning

Brennan, Lisa Frances ¹, Chong, Yuan Yi ², Lieu, Zi Zhao ³, E, Marissa Kwan Lin ⁴, Narayan, Akshay ⁵, Tan, Siew Leng Verily ⁶, Jihang Yu ⁷. ¹ Pharmacy & Pharmaceutical Sciences, ² Chemistry, ³ Biological Science, ⁴ Centre for English Language Communication, ⁵ Computer Science, ⁶ Centre for Teaching, Learning and Technology, ⁷ Materials Science and Engineering, National University of Singapore.

Goals of Learning Community

- **1. Identifying Faculty Challenges:** Collaborate on an inquiry exploration to understand the specific challenges that faculty face in educational video production and the resistance to implementing a blended learning mode.
- **2. Best Practices Compilation:** By reviewing the literature and establishing a collaborative platform within the Learning Community (LC), we aim to create a valuable resource on effective educational video production and its better integration into blended learning courses for interested faculty.

Main Reflections of Learning Community

- 1. Knowledge Sharing and Peer Learning: The value of learning from the experiences and attempts of other colleagues is significant. Participants appreciated the opportunity to hear about different teaching improvements, strategies, and tools being used by others, which provided valuable insights and tips that could be applied to their own practices.
- 2. Skill Development in Video Production: There is a strong emphasis on acquiring new skills and knowledge related to video production for educational purposes. Participants learned about various tools and techniques used in recording, editing, and enhancing educational videos. They also discussed how different disciplines incorporate video content into their courses.

Analysis of Common Themes from Learning Community

Motivations of Members

- Improvement of Teaching Quality and Student Experience: There is a clear interest among the members in improving teaching methodologies & consequently, the student learning experience.
- Learning and Skill Development: Some individuals join to gain knowledge in areas where they feel less confident or have limited expertise, such as video production or the use of various AI tools.
- Exposure to Tools and Techniques: Some members join to gain exposure to tools that may improve their video production workflow.

Structure of Learning Community

- Openness and Flexibility: Participants appreciated the open-ended structure with initial guidelines, allowing flexibility in exploring various topics and subsequently discussing how to integrate them better for teaching and learning.
- Inclusivity and Collegial Environment:
 Different points of view were valued without a superior-subordinate dynamic. which fostered an environment where participants could naturally lead discussions and contribute meaningfully, enhancing the collaborative spirit.

Application of Learning

- Integration of AI Tools Into the Video Production Process: Participants are interested in using AI tools for script writing, text-to-speech voice-overs, and assisting with sound editing to improve the efficiency of their production workflows.
- Incorporating Efficient Techniques in the Workflow: Participants are interested in incorporating techniques & tools provided by software for background noise removal, green screen removal, etc., in their workflows to improve efficiency.

Dissemination of Learning

- Informal Sharing with Colleagues: This includes discussing video production techniques, tools, and experiences with colleagues who have queries or are interested in learning more.
- Conference and Publications: The community plans to share their research findings, learning insights, and discussions through conference presentations and contributions to blog articles such as Teaching Connections.

Contact us!

Brennan, Lisa Frances (<u>lisa.brennan@nus.edu.sg</u>) | Chong, Yuan Yi (<u>francis@nus.edu.sg</u>) | Lieu, Zi Zhao (<u>dbslzz@nus.edu.sg</u>) | E, Marissa Kwan Lin (<u>elcmari@nus.edu.sg</u>) Narayan, Akshay (<u>dcsaksh@nus.edu.sg</u>) | Tan, Siew Leng Verily (<u>vstan@nus.edu.sg</u>) | Jihang Yu (<u>jihangyu@nus.edu.sg</u>)

Enhancing Faculty Educational Video Production Proficiency to Elevate Teaching Practices and Boost Learning

Brennan, Lisa Frances ¹, Chong, Yuan Yi ², Lieu, Zi Zhao ³, E, Marissa Kwan Lin ⁴, Narayan, Akshay ⁵, Tan, Siew Leng Verily ⁶, Jihang Yu ⁷.

¹ Pharmacy & Pharmaceutical Sciences, ² Chemistry, ³ Biological Science, ⁴ Centre for English Language Communication (CELC), ⁵ Computer Science, ⁶ Centre for Teaching, Learning and Technology, ⁷ Materials Science and Engineering, The National University of Singapore.

Goals of Learning Community

- 1. Identifying Faculty Challenges: Conducted a research study to understand the specific challenges faculty face in educational video production and the resistance to implementing a blended learning mode.
- 2. Best Practices Compilation: Through reviewing the literature and establishing a collaborative platform within Learning Communities (LC), we aim to create a valuable resource on effective educational video production and how they can be better integrated into the scheme of blended learning courses for interested faculties.

Main Reflections of Learning Community

- 1. Knowledge Sharing and Peer Learning: The value of learning from the experiences and attempts of other colleagues. Participants appreciated the opportunity to hear about different teaching improvements, strategies, and tools being employed by others, which provided valuable insights and tips that could be applied to their own practices.
- 2. Skill Development in Video Production: There is a strong emphasis on acquiring new skills and knowledge related to video production for educational purposes. Participants learned about various tools and techniques used in recording, editing, and enhancing educational videos and how different disciplines incorporate video content into their courses during the discussion.

Analysis of Common Themes from Learning Community

Motivations of Members

- Improvement of Teaching Quality and Student Experience: There is a clear interest in enhancing teaching methodologies and, subsequently, the student learning experience.
- Learning and Skill Development: Some individuals join to gain knowledge in areas where they feel less confident or have limited expertise, such as video production or the use of various AI tools.

Structure of Learning Community

- Openness and Flexibility: Participants appreciated the open-ended structure with initial guidelines, allowing flexibility in exploring various topics and then subsequently discussion on how to integrate them better for teaching and learning.
- Inclusivity and Egalitarian Atmosphere:
 Different points of view were valued without a superior-subordinate dynamic. which fostered an environment where participants could naturally lead discussions and contribute meaningfully, enhancing the collaborative spirit.

Application of Learning

• Integration of Al Tools into the video production process: Participants are interested in using Al tools for tasks like, script writing, generating speech (text-to-voice recording) and assisting with sound editing to improve the efficiency of their video production workflows, making certain tasks easier and less time-consuming.

Dissemination of Learning

- Informal Sharing with Colleagues: This includes discussing video production techniques, tools, and experiences with colleagues who have queries or are interested in learning more.
- Conference and publications: The community has plan to share their research findings, learning insights and discussion through conference presentation and contributing to blog articles such as Teaching connection.