



Enhancing Learning for Students with Disabilities via Closed Captioning

CLIENT OVERVIEW

Client is a global university in Australia that enjoys an international reputation for excellence in professional and vocational education meeting the needs of industry and the community.



BUSINESS NEED

The student base for this university has physical ailments and includes cognitively challenged students. It was crucial to prevent any student being left behind with respect to learning and to ensure access to all. In order to facilitate knowledge access and transfer in teaching, training, and communicating, the university had expanded their video capabilities and requirements to encode captions for their audiovisual content. Various videos had to be captioned with precise time codes; they had to be ready for use on any video platform, with different output formats, that is, .srt, .vtt, .xml, .doc, and so on.



CHALLENGE

The client's content was not accessible to hearing impaired users. In order to ensure that prescribed course content (including politics, biology, physics, etc.) was fully accessible to users of all types and abilities, the client realized they would need to add closed captions to large volumes of videos within a highly aggressive timeline. The videos requiring conversion were complex, and the client's existing vendor was unable to provide the necessary functionality.

Workflow



SOLUTION

Lumina Datamatics uses a combination of human expertise as well as technology to provide closed captioning. Lumina's automated solution (video caption tool) follows a procedure of one to two lines per caption, no more than 32 characters per line across. The workflow involves listening to the videos and providing concise and precisely-timed and transcribed closed captions or subtitles. Line breaks and caption breaks follow the natural rhythm of speech for maximum readability, without breaking up complete clauses/names, separating articles from words, and so on. Lumina Datamatics deals with audio-visual content from streams of socioeconomics, science and technology, news, history, and politics. Apart from Australian accents, Lumina Datamatics supports audio-visual content with US and UK accents. Lumina Datamatics generates over 2000 hours of video content annually.

SUBTITLE CREATOR

- Inbuilt dictionary
- Auto text limit on video
- Video and caption provided on the same screen
- "Rewind in second" button to review
- Special character identifier
- Creates different output formats like .srt, .xml, .vtt



BENEFITS

With Lumina Datamatics expertise and automation in closed captioning services, the client was able to

- Clear all their production backlogs within 88 days
- Improve turnaround time by 73 percent
- Reduce overall costs by 30 percent

Lumina Datamatics Facts



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