

As a group, we got to know each other when we first met on February 24th. During our first meeting, we discussed which project we wanted to take on and which tutor to ask. While we quickly decided on the project to build an audio-to-text summarization model, we asked some tutors and checked who would like to guide us with the project and has the time for it.

On our second meeting on March 1st, we discussed some possible papers. Furthermore, we discussed several possibilities of doing a speech-to-text summarization model since this was our main challenge. We collected some papers that seemed especially useful for us but did not finally decide on three we want to work with.

One day later, we met again to discuss how we want to work on the project, specifically how we want to implement everything. We then separated the tasks to gain faster progress. However, since our initial idea was to build the speech-to-text model on our own and take a pre-trained summarization model, we decided to work on these things in the coming days. We did not say how everyone should implement the part that he is responsible for.

On March 5th, we all brought together the information we collected during the past days and decided on our initial three papers. Now that the papers were fixed, we also knew how we wanted to implement these specific parts of our project. For example, to use the wav2vec model for speech-to-text processing.

On March 8th, we had our first meeting with Fabio, our tutor. He explained that we might be better off taking a pre-trained speech-to-text model and implementing the text summarization model on our own.

In the following four days with a short break because of exams. On March 12th, we met again discussing several information and papers we collected again for how are next steps, most importantly to implement the text summarization model on our own.

Three days later, we decided to take two new papers out of the huge amount of information problems regarding text summarization models. While it seemed that we now have all the information together, we had to start again building such a model. This was the task for the coming days and weeks.

On March 17th, we decided specifically how we wanted to implement everything in theory. So we picked a pre-trained speech-to-text model and decided on an architecture for our text summarization model.

On March 20th, we met again to keep us updated, help questions each other and then kept going with our task. Furthermore, we started using Google Colab Pro+ with faster computing units to improve our workflow.

In the following days, it was kind of our daily routine, to have at least once a day call, discuss how far we are with the project, what the most important next steps are, and who's taking care of what task. The tasks in general were to find a good way to implement that correct audio file will be extracted from the video file so that we can process the audio in our pre-trained speech-to-text model. However, the most important task was to work on the text summarization model.

On March 24th, we struggled with this and asked Fabio for help which he did a few days after. This help was very valuable as the error could be resolved and we adapted our model.

In the following days until submission, we met every day to discuss our current status regarding the finalization of the report and the model itself and delegated tasks to everyone.