

MOOC Content Analysis and Evaluation

In the world of open education, we have loads of content. MOOCs are being released at a rapid pace across wide range of platforms. Students pay and watch the content at their own pace. Here, the content is being developed and controlled by the content creator. So, in this platform of content development, what matters the most is engaging content and user satisfaction, which indeed points to what the audience like to watch and enjoy. Our solution would like to bring student at the center of content creation. This would also help in creating customized lesson plans and teaching techniques for each student's unique abilities and comprehension. There are many videos, e-books, magazines, audios and online journals in areas like science, arts, philosophy to name a few. Based on each person's interest, the subject which they choose varies. However, understanding which type of content would bring in more value addition to it is challenging. In order to accomplish the challenge, we have a system proposal.

Our proposed system helps in understanding which type of content is making the viewer happy and contented. The ways of doing that are:

- This can be accomplished by capturing the images of the person's face while watching a video at different time intervals.
- Then, based on the face expressions over the period of time vs. the change on the face expression, system would decide if the person like the content of the video or did it not.
- If not, we can find the ways in which the content can be made more interesting and engaging to the viewer.
- The emotion recognition would be depicted in the form of graphical representation on how the person is reacting through his expressions/emotions.
- By doing so, the makers can develop some creative ways on how to improve the content.
- This not only helps the content developers build good content, but also helps the viewer in understanding his/her area of interest.

This method can also be imbibed in the classroom-based environment to know how interested the students are while the lecture on a particular topic/area is going on. It helps the tutor in understanding the challenges the students are facing and thereby create ways of improvement for the students before they struggle too much during exams."

There are many other areas where our application can work, apart from the education field, such as in the entertainment field. As the content developers in the entertainment field are developing day by day; this would emerge as a boon to them in improving their content and making the viewers entertained and engaged with the content.

Also, in the corporate world during seminar/presentations and the annual renovation meetings this application would be very helpful.

This helps in sentiment analysis and hence the viewer and his/her sentiments are being treated as the primary and most important idea of the content. Since the viewers are the most valuable

assets for any content-based application, we try in helping them create and explore in their field of work. This also brings in a lot of innovative ideas in the creators and hence the learning could be more and more fun!!

Alternate Project Proposal:

Diet Tracker App:

In the country, like U.S.A. it is hard to find out whether the food is vegetarian or not, at least for the new immigrants of the country. The country where I come from has a clear label on the food product indicating whether the food is vegetarian or not. It gives a clear advantage for the user as he/she can look for the symbol and grab the product. But, here in U.S. product titles and ingredients can be misleading at times for the new immigrants. As, here the food products in various places are not labelled as vegetarian or not. Hence, this application helps in finding out the vegetarian products by product search.

This application can also be used as a diet checker, which will notify the users whether the product purchased is in the diet category he/she prefers. It also has the ability to customize food preferences as the word vegetarian means different food choices for different cultures.

This application also helps people with different diet related restrictions choose their product quickly instead of staring at the ingredient list.