

## SpaceAnalysis

Research has always been an important part in broadening the experience of education. From teachers to students, researching different topics has yielded great results. Learning to research different areas and topics from an early age and hence gaining knowledge through exploring and evaluating has resulted in better understanding of concepts for students. Moreover, without research and gaining knowledge, today's advancement in technology would not have changed so many lives. But unlike earlier times, when one had to travel long distances to libraries to get access to resources, with the invention of the internet we have all the resources from textbooks to videos and articles available on one page to be accessible from any corner of the world.

One such type of source is Open Education Resources (OER). Based on the definition given by UNESCO (source in citation below), OER are teaching, learning and research materials in any medium, that reside in the public domain or have been released under an open license that permits no-cost access, use, adaptation, and redistribution by others with no or limited restrictions.<sup>[1]</sup> Our Team have been working on similar project, to incorporate thousands of OER into one website called "The FSL Club". The name FSL itself stands for 'French as Second Language' page specifically designed for people whose first language is not French but are still trying to grasp it into daily life. Hence for the very same reason, the website offers easy conversion from English language to French language or vice versa by just one click.

Furthermore, the website allows users to explore with or without creating their own profile and gain knowledge through various resources but having an account on the websites gives users a whole lot of new features, from saving any resources to their dashboard, downloading it on their local device to sharing it with other acquaintances. The website is equipped to make it interactive for all kinds of users such as students, teachers, parents, institutes administration, and private organizations. In addition, it also provides all our users, element to view OER items in either list view or gallery view by just clicking on one button on top right corner or the OER item section.

With our **iteration 2** design, we try exploring all the filter and faceted navigation features, the website incorporates. Faceted navigation refers to allowing users to filter and sort through the OER items based on the attributes and metadata related to it. The FSL Hub has the search bar in the top section of each page, making it easier to look for any resources, irrespective of what page the user is currently at. The search bar displays every possible outcome of every word the user types and has the advanced search option to make it simpler to look for the right one. In addition to the advanced search, it has the filter button which opens the left faceted navigation bar that goes over all the possible options to narrow down the search. These options go over the metadata like Language the resource should be in that is either English or French, Subjects the user is looking for the topic in like math, science, linguistic etc. It also includes an education level that is what Grade level resource a user is trying to access, and at last it goes over what format the user wants the resource to be in, pdf, video, or audio. It allows users to play around with all the filters and shows the current filter selected at the top of the OER item section along with the total number of results found. Apart from all these features, it also allows our users to sort the OER based on how relevant it is to the topic the user is looking for.

## **Citation**

[1] “Open Educational Resources (OER),” *UNESCO*, 13-May-2020. [Online]. Available: <https://en.unesco.org/themes/building-knowledge-societies/oer>. [Accessed: 11-Dec-2020].