

## AIM

To Convert two Virtual Labs from Flash To JavaScript i.e., Physical-Chemistry & Colloid-and-Surface-Chemistry.

## INTRODUCTION

The most interactive multimedia on the Web, Flash offers the webmaster a single platform to create content that will be seen by the majority of Web site users. However, there are some arguments against Flash. Hence creating similar experiences in JavaScript, we can avoid many of the problems inherent in Flash. Another advantage of JavaScript is that the code to make an animation flutter across the entire screen is no bigger than one that flutters across a small section of the screen.

## METHODS

The continuing absence of an easy conversion process from Flash to HTML5 and increased complexity in making further editing inhibits the development of HTML5 version using various tools mentioned above. Hence, Pure HTML5 / JavaScript is used which is easier to understand, decompile and re-use.

## RESULTS

Successfully Converted 12 experiments from flash to JavaScript.

## CONCLUSIONS

Currently the tools available for conversion are not sophisticated enough to convert more complex animations involved in the experiments. Hence for time being conversion using pure JavaScript and HTML5 is the best option though it is not the efficient method.