

Annotate

During every lecture or classroom, there are a lot of notes that are written on the whiteboard, and students may struggle between capturing all the notes or trying to understand the topic of the lecture. A way to fix this issue is to use the projector to demonstrate illustrated notes written using a digital pen (e.g. Wacom Tablets), but this way of fixing the issue is not preferred as learning how to use a digital pen can be tricky and you will lose the flexibility of writing the notes on a real whiteboard. Annotate combines the benefits of both methods to create a flexible and portable whiteboard writing experience.

Annotate is a project that aims to turn any surface into a digital whiteboard. With the help of a projector, Annotate can accurately track the hand movements and draw in the desired position.

Annotate acts like an interactive display, but it is way cheaper. Annotate uses image processing techniques to determine the position of the pen. The user can determine the dimensions of the desired surface by using special buttons.

The pen has two main features. The first one is to draw in the current position and the second one is to erase what is written in the desired place. The pen is portable and it uses batteries to operate.

There are some other additional features that Annotate provides. Firstly, you can change the color of the ink used for typing/drawing. Secondly, a keypad is provided to support extra functionalities, such as creating new pages, navigating between created pages and deleting/erasing the contents of the desired page. Finally, Annotate allows the user to compile the written notes into a shareable PDF file.