

## WHITE BOARD CLEANING ROBOT

### ABSTRACT

Now-a-days white boards are widely used in almost every educational institute. About 70-80% educational institute around the world uses white board as the writing medium in their class room. They are large in size, for that reason it is very time consuming process to erase the writings from the board with duster. Using duster also reduce the visual quality of the board. If a class continue about one hour then about 8-10% time become waste because of cleaning the board using duster. Considering this "The board wiper", an automatic system can solve these problems. The board wiper will shorten the time and also the effort. It takes around 8 sec to clear the board without destroying the quality. The wiper has horizontal movements and it wipes the board twice at a short time. The wiper consists of electric motor, supports, a wiper bar and a microcontroller to give that an automation figure. It is possible to control the wiper by a remote control system and this allows the controller to wipe the board from a reasonable distance. And it has an advantage to remove the wiper if it's necessary to clean and the whole wiper system can be established at a very low cost. So, "The Automatic board wiper" is a spectacular replacement of "duster" and it can be suggested to use this to reduce the effort of the board user as well as to introduce the classroom with an automation system.

At work as usual: 080-40969981 | Write to me: [info@technofist.com](mailto:info@technofist.com), [technofistprojects@gmail.com](mailto:technofistprojects@gmail.com)

|when u needs me the most: +91-9008001602, 080-40969981|

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