

Virtual Lab Using Markerless AR

Abstract Summary

AR virtual lab have come forward as a soln to one of long-period problem of ~~virtual lab~~ dangerous lab condition, cost etc. AR is divided into 2 diff. type - Marker based
markerless based

The development in field of virtual lab revolved around marker AR recognition and processing. A pictorial marker will be fed into software system which identify by define, subsequent action take place. While Marker based AR indeed introduces a new approach to virtual lab, ~~but~~ it has some gram limitation - so we use ~~the~~ Markerless AR. This works on GPS module, stimulation localization and mapping. Present work uses AR core SDK for implementing markerless AR labs.

We are doing this using a DC Motor.

This work let us know use of Markerless AR to be used for implementing virtual lab, thereby letting user experience flexible virtual Experience.

Role of this paper in project

Our project is to ~~make~~ show things using AR and see diagram etc. for this we use marker based AR. But this paper helps to get a reference to build a module in AR core. This help us to give an idea about how to show things. Make ~~textbook~~ in the project and how should be designed. Here we will have marker based rather than a markerless base.