iHALO

Main Project Report submitted in partial fulfilment of the requirements
for the award of

Bachelor of Technology
in
Computer Science & Engineering
of
Cochin University of Science and Technology

By

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CERTIFICATE

This is to certify that the Project Report entitled **iHALO** submitted by **Anantha Krishnan M** (Reg No: 12154605), **Anjali Achuthan** (Reg No:12154619), **Anajna C** (Reg No:12154620), **Nidhin Tom Eapen** (Reg No:12154208) and **Roffin Varghese** (Reg No:12154615), in partial fulfilment with the requirements for the award of the Degree of Bachelor of Technology in Computer Science & Engineering of Cochin University of Science and Technology is a bonafide record of work carried out by them under our supervision.

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ABSTRACT

iHalo is a personal home automation assistant that would help us to control our electrical home appliances with ease, integrated with augmented reality and intended for the common public and also for the visually challenged and speech-impaired persons. It's acts as an artificial intelligence which can be controlled using voice command (given by user). You can give the command to switch on or off the devices (like light, fan etc.) as well as you can even manipulate them like fan speed, light intensity. Commands are sent via a Wi-Fi module to the Arduino Board. So there is no need for you to get up to switch on or switch off the device while watching a movie or doing some important work. Our project ***iHALO,*** also provides a health monitoring service to the residents in our home specifically could also be used to monitor the health conditions of the old people/patients in our home.

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