

PROJECT REPORT ON

“CONTROL OF HOME APPLIANCES USING EMBEDDED WEB SERVER”

**In partial fulfillment of the requirements for the
Award of the degree of**

**“BACHELOR OF ENGINEERING”
IN**

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Submitted By:

**CALVIN ROYSTON MASCARENHAS
(4AI07EC121)**

**DEEPIKA.M.R
(4AI07EC019)**

**KARTHIK KIRAN.P
(4AI07EC035)**

**MAHADEVA KEERTHI SWAROOP
(4AI07EC046)**

UNDER THE GUIDENCE OF

**Mr. ANIL KUMAR.C B.E.,M.Tech.,
Asst. Prof, Dept.of E&C Engg.**

**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
(Affiliated to Visveswaraiah Technological University, Belgaum)**

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ABSTRACT

Smart home is a home equipped with special facilities to enable occupants to control an array of automated home electronic devices. For example, a houseowner on vacation can arm a home security system, control temperature gauges, switch appliances on or off, control lighting, program a home theater or entertainment system, and perform many other tasks.

Smart home became ergonomic if the controlling can be done from any remote place. Our main focus is to control the home appliances from remote place. The motivations behind the goal to remotely control of home appliances using .net based web server. It's not always feasible to be physically near to the home still sometimes it's very important to control the appliances for many purposes. So the remote controlling takes the control of the home beyond the home and to the hands of the people.

In search of a true remote and adequately secure solution to be really effective and practicable, .net based web server controlling is better than any other solutions. Internet has become almost an inseparable part of civil lives today. In this project we introduce a new mechanism so that the ordinary services of the web server can be leveraged to communicate with and control the home appliances and make our homes a really smart one.

This system allows the control of appliances and lights throughout the home. Signals are sent through existing wiring in the home between modules to switch devices on. Appliance modules are simple adaptors which plugs into a socket and then one can plug the device to be controlled into the socket on the module. The user can control the modules in several ways. The .net based application developed to control the appliances remotely. The front end gives the visual information about the appliances connects to the web server, by using the application control panel we can switch on/off the appliances in the home.