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Control Home Devices using Android Application 2022

**Graduation Project Documentation**

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**Control Home Devices using Android Application**

**A Project Submitted in partial fulfilment of the requirements for the Degree of Bachelor of Science in Systems and Computers Engineering**

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**2022**

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ABSTRACT

This is the era of advanced computing technology. Almost all of the works we are doing by the help of automation system or computer controlled. Now peoples are moving towards smart system. As the technology is upgrading day by day the Internet has become an important part of life, and IoT is the newest and emerging internet technology. Internet of things plays an important role in human life as well as in the educational field because they are able to provide information and complete the given tasks while we are busy doing some other work. In this paper, a prototype and implementation of Control Home Devices with Wi-Fi technology are demonstrated. ESP8266 is used as a Wi-Fi technology. The proposed system consist of a hardware interface and software interface. In the hardware interface, the integration of ESP8266 Wi-Fi technology for controlling home appliances is manifested, and an application is provided for controlling to multiple users of home, with smart phones, tablets. This system is one of the best methods for controlling home devices with ease with multiple users. In this project user can easily turn on/off the lights of his/her home by using the android application and he/she can also check the current status of lights and other devices.

KEYWORDS Android; IOT; Keyword3

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# **CHAPTER 1**

# **INTRODUCTION**

**Background and Motivation**

In this section, you should describe the problem that you set out to solve with the project. An introduction might, for example, begin by stating, "The aim of the work described in the Report was to provide a software tool with which peoplecan arrange meetings." Avoid starting a Report with an irrelevant history ofinformation technology.

Explain whatever background the reader will need in order to understand the problem. The background might refer to previous work in the academic literature that provides evidence that the problem is a real and significant problem worth solving. Include a clear and detailed statement of the project aims and provide an overview of thestructure of the solution. Please note that the GP2 report (492) should have more literature material than the GP1 (491).

Conventionally, the last part of the introduction outlines the remainder of the Report,explaining what comes in each section. Your report should be organized as follow: