SMART KITCHEN SYSTEM USING IBM CLOUD

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INTRODUCTION:

Due to our growing technologically surrounded environment, people are moving towards the technological view in every aspects. Especially when it comes to home activities such as washing clothes or vessels etc; And people are ready to invest in these technological needs. So this project is about SMART HOME KITCHEN SYSTEM BASED ON IBM CLOUD.

PURPOSE:

The purpose of this system is to make the task of the kitchen work easier by using this smart system that will give us indication based upon the application in our mobile itself. It will inform us about the exhaust that is present in the chimneys and will also consider the temperature and the humidity of the chimney too.

LITERATURE SURVEY:

In a kitchen women has to work manually to check if the ingredients are correctly present or not in the jars and she has to keep checking if the chimney is in ON or OFF mode and then we have to move here and there physically to see which jars are empty

to fill the products. But now with this modern system we can easily do all the tasks with this application.

FLOWCHART:

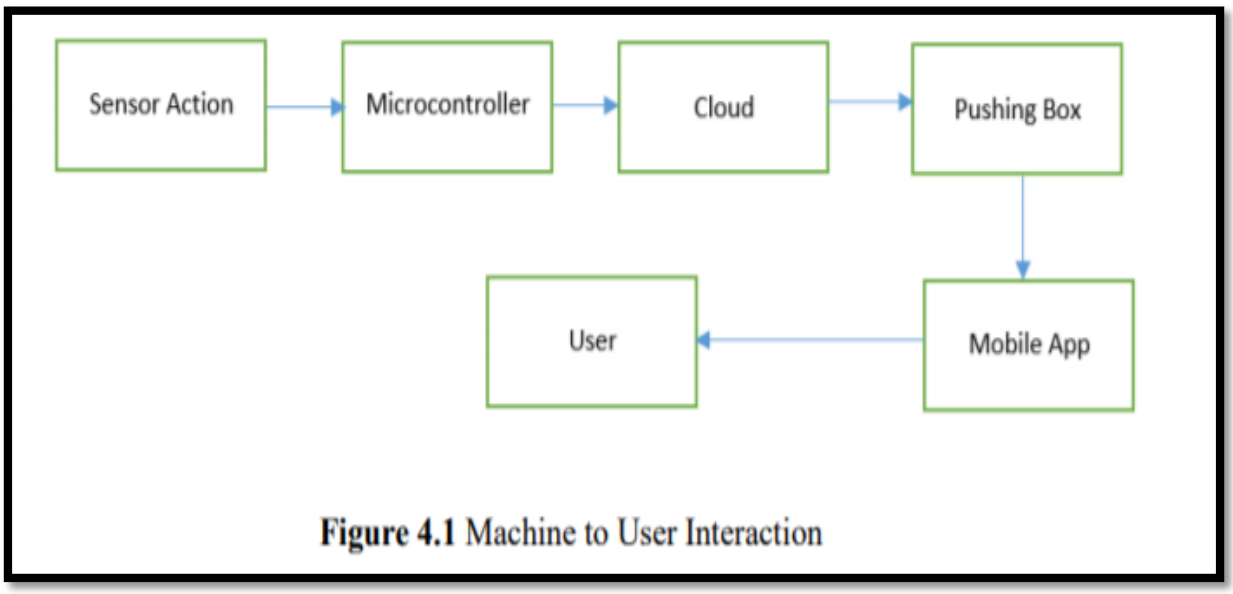
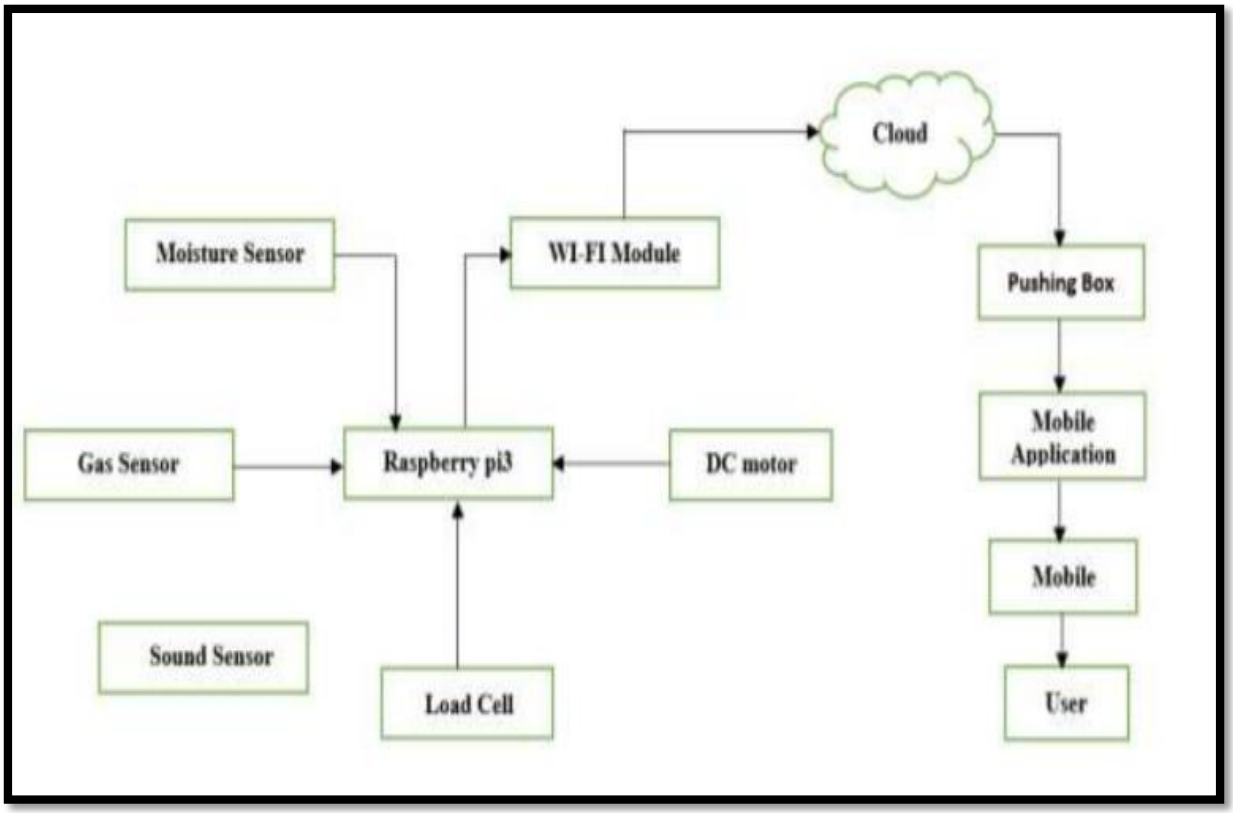
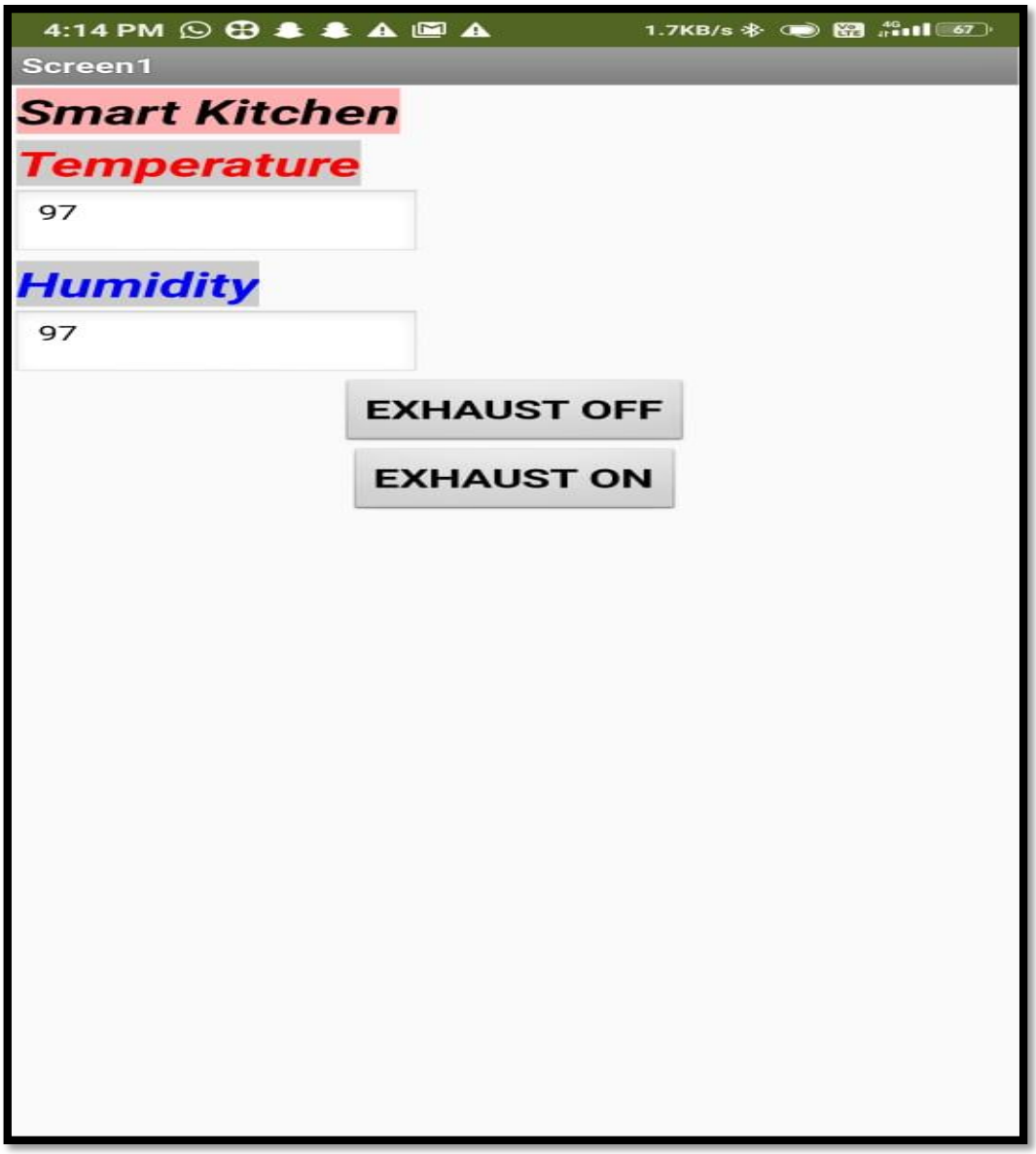


Figure 4.1 Machine to User Interaction



RESULTS:

One can view the chimney details in mobile itself as it will alert the person in mobile through notifications:



ADVANTAGES OF THIS SYSTEM:

1.Managing all of your home devices from one place. The convenience factor here is enormous. Being able to keep all of the technology in your home connected through one interface is a massive step forward for technology and home management. Theoretically, all you'll have to do is learn how to use one app on your smartphone and tablet, and you'll be able to tap into countless functions and devices throughout your home. This cuts way back on the learning curve for new users, makes it easier to access the functionality you truly want for your home

2. Flexibility for new devices and appliances. Smart home systems tend to be wonderfully flexible when it comes to the accommodation of new devices and appliances and other technology. No matter how state-of-the-art your appliances seem today, there will be newer, more impressive models developed as time goes on. Beyond that, you'll probably add to your suite of devices as you replace the older ones or discover new technology to accompany your indoor and outdoor spaces. Being able to integrate these newcomers seamlessly will make your job as a homeowner much easier, and allow you to keep upgrading to the latest lifestyle technology.

3. Improved appliance functionality. Smart homes can also help you run your appliances better. A smart TV will help you find better apps and channels to locate your favorite programming. A smart oven will assist you with cooking your chicken to perfection . without ever worrying about overcooking or undercooking it. An intelligently designed home theater and audio system can make managing your movie and music collection effortless when entertaining guests.

CONCLUSION:

Thus the concept of IoT based Smart Kitchen and Avoiding Fire Accidents due Leakage of LPG Gas is applied and Verified experimentally. The Output data of this system is continuously transferred to the User in IoT cloud data Transfer Process. The User can able to modify the system at any time. The Extended Work will be in software side. By Using Visual Studio software we can create separate website in that website Producer and Consumer were connected. The Hardware Things are Connected Directly with website the action will take based on the Hardware Output. The user no need to do any manual work the whole system will complete every task automatically.

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