

VOICE OPERATED PANIPURI DISPENSIVE MACHINE

DR.N.S.AMBATKAR¹,ASMITA KATEKHAYE²,BHUMIKA CHAUDHARI³,DIKSHA SHENDE⁴,MAYURI GANESHKAR⁵

Associate professor ¹,students^{2,3,4,5}

Electronics And Telecommunication Department¹²³⁴⁵

PRIYADARSHINI COLLEGE OF ENGINEERING,NAGPUR,MH, INDIA

ABSTRACT

Today automation has been integral part of the food industry has concerns over health and safety have increase world wide .in this paper, we take up a simple local food delight of india ,the panipuri and design a product that can automated its making in process to ensure that best taste his available to its consumers without concerns our health or safety .the product his design to take out input of puris ,spicy water and required spices and ultimately product the panipuri .the automation ensures that the job is done is faster and hygienic safer and skill independent in addition to its ,attempt has been made to ensure that standardisation of panipuri making process his made such that the taste of panipuri is converted and ensured every time for that consumer .a study of automation process available has been to develop an automation that fits the purpose.the final evaluation has been made after experimental produces to product that required automation.

INTRODUCTION

Panipuri is a comman street snack in several regions of that indian subcontinent .

If the conditions are unhygienic and the ingredients are not on proportion then its will be harmful for our health. The spicy water reboots your digestive system and that's allways good for health .the main objective of this project is to reduce the man power and specially having a hygienic ways of panipuri

OBJECTIVE

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LITERATURE SURVEY

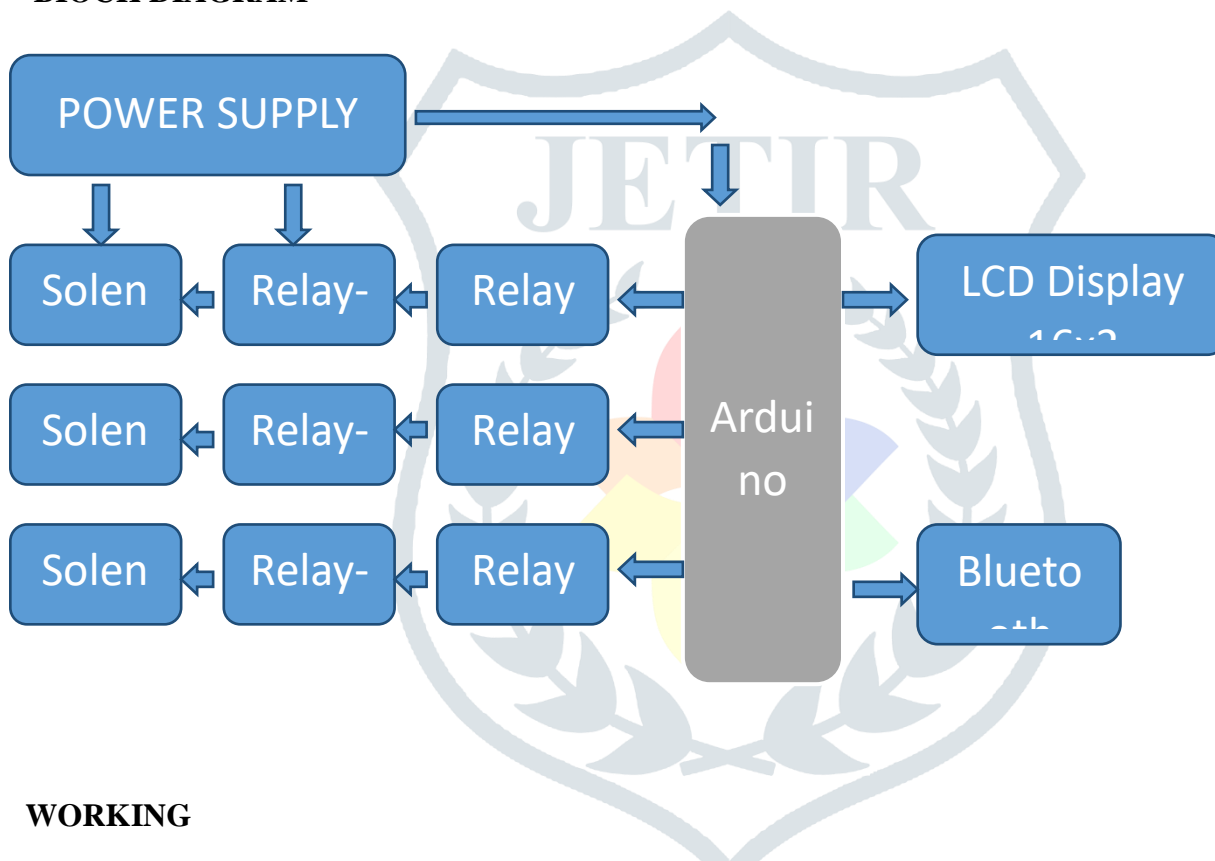
IEEE PAPER :A voice controlled multi functional smart home automation system

Abstract: the paper present the development of low cost sensor node for street lighting based on criteria needed by the industry .the function sensor node is sense or detect the motion or movement of an object or a car .the sensor node will act or response when it detects an object moving past its position or location .the street will be turn on and transmit data to another pole .once the object has passed the sensor node ,the light will turn off .the paper fucuses on the development cost effective sensor node .this sensor node will save the

supplied to the light by preventing its from turing on all night .this will also help to reduce maintanance cost and save on power consumption

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- Authors
- Yusanani Mohd Yusoff
- Faculty of electrical engineering ,university Teknologi Mara.Shah Alam,Malaysia
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BIOCK DIAGRAM



WORKING

1.Arduino:Arduino is an open source platform used for building electronics project Arduino consider for both physical programmable circuit board (aften referred to has a microcontroller)and a piece of software .or IDE(itegrated development environment) that runs on your computer used to write and upload computer code to physical board .

2.SELONOID VALVE: A Selonoid valve is an electro mechanically opened valve the valve is controlled by an electric current through a selonoid valve in the case of two port valve the flow is switched on off in the case of three port valve the outflow his switch between the two outlet ports multiple selonoid valves can be placed together on a manifold selonoid valve are the most frequently use control element in fluidics. Their task are to shut off, relese , dose , distribute or mix fluids. They are found in many application areas.

3.BLUTOOTH MODULE: Controlling the arduino using a smart phone and controlling the arduino using a laptop or PC

4.LCD: A 16*2 LCD means it can display 16 character per line and there are two such lines in this LCD each character is displayed in 5*7 pixel matrix this LCD has two registers namely command and data

5.RELAY: A relay is an electrical actuator that function as a switch.

It takes in as input an electric current and uses this current to close a switch. Thus, a relay is really a switch that is switched on and off by changing in the current input into it.

ADVANTAGES:

- 1:Unique and reliable design.
- 2.Wide test variety of product can produce with single machine.
- 3.Precise dispensing to match the customer need.
- 4.It is hygienic.

DISADVANTAGES:

- 1Require battery backup for constant functioning.
- 2.If any of thr component get damaged then the entire system comes to halt.

FUTURE SCOPE:

- 1.Specially having a hygienic ways of panipuri.
- 2.Conditions are hygienic and the ingredients are on proportion the it will be good for our health.

