

J.D.M.V.P.S.CO-OP.SAMAJ'S Arts,
commerce & Science College, Jalgaon

CERTIFICATE

This is certify that project report entitled ,
**Desing And Implementation Of An Efficiient LPG
Leakage Detector**

Submitted by,

MR. :- Gopal Bholā Jadhav

As part of fulfillment of this year degree of bachelor of
science in physics under my guidance during the academic
year **2021 - 2022**

Prof. N.B.Baviskar Sir [H.O.D.]


Prof. K.B.Patil Sir [Project Guide]


External Examiner


External Examiner
Internal Examiner

10,
determine the surface tension by using
Jaeger's method

Name: Dhruj Sanjay Patil
Roll No: 1128
Standard: 11th BSc (Physic Department)

J.D.M.V.P. Nutan Maratha Jalgaon
Year: 2021/

J.D.M.V.P.S.CO-OP .SAMAJ'S Arts,
Commerce & Science College, Jalgaon

CERTIFICATE

This is certify that project report entitled,
**"To, determine the surface tension by using
jaegar's method "**

Submitted by,


Mr. DHIRAJ SANJAY PATIL

As part of fulfillment of third year
DEGREE OF BACHELOR OF SCIENCE IN PHYSICS

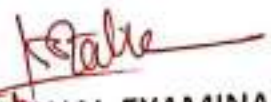
Under my guidance during the academic year

2021-2022

H. O. D
PROF. N. B BAVISKAR SIR


EXTERNAL EXAMINAR


PROJECT GUIDE
PROF. K. B. PATIL SIR


EXTERNAL EXAMINAR

J.D.M.V.P.S.CO.OP.SAMAJ'S

Shri.S.S.Pandit Arts, Shri. Bhausaheb T. T. Salunke
Commerce & Shri.G. R. Pandit Science College, Jalgaon

CERTIFICATE

This is certify that project report entiled
'LPG GAS LECKAGE ALARAM'

Submitted by,
Ms. Sushama Rama Badgujar

As part of fulfillment of third year

DEGREE OF BACHELOR OF SCHIENCE IN PHYSICS

Under my guidance during the academic year
2021-2022



H.O.D.

Prof. Nitin Baviskar



PROJECT GUIDE

Prof. Aditya Patil



INTERNAL EXAMINER



INTERNAL EXAMINER

J.D.M.V.P.S.CO-OP .SAMAJ'S Arts,
Commerce & Science College, Jalgaon

CERTIFICATE

This is certify that project report entitled,

**"DESIGN AND CONSTRUCTION OF A
SOLAR"**

Submitted by,

Mr. SANCHIT SUNIL BHARSAKE

As part of fulfillment of third year
DEGREE OF BACHELOR OF SCIENCE IN PHYSICS

Under my guidance during the academic year

2021-2022

H. O. D
PROF. N. B BAVISKAR SIR

Sachin
EXTERNAL EXAMINAR 5/22

K. B. Patil
PROJECT GUIDE
PROF. K. B. PATIL SIR

K. B. Patil
EXTERNAL EXAMINAR
Internal

CERTIFICATE

THIS IS CERTIFY THAT DISERTATION TITLED Atomatic street light control using LDR
SUBMITTED BY
Mayuri ganesh chaudhari

COMPLETED SUCCESSFULLY THE WORK ASSIGNED TO HIM AS A PART OF B.SC WITH PHYSICS IN OUR
J.D.M.V.P SAMAJ'S ART'S, SCIENCE AND COMMERCE COLLEGE JALGAON

THIS IS THE BONAFITE WORK CARRIEDONT CANDIDATEUNDER OUR SOPER VISION AND IS OF SUFFICIENTLLY
HIGH STANDARD FOR THE AWARD OF THE B.SC IN THE YEAR

2021 - 2022

Prof.
Baviskar sir
Project Guide


INTERNAL EXAMINAR

Prof. Baviskar Sir
HEAD OF DEPARTMENT
PHYSICS


EXTERNAL EXAMINER

J.D.M.V.P.S.CO-OP .SAMAJ'S Arts,
Commerce & Science College, Jalgaon

CERTIFICATE

This is certify that project report entitled,

"AUTOMATIC STREET LIGHT"

Submitted by,


Mr. SACHIN RAJENDRA CHAVHAN

As part of fulfillment of third year

DEGREE OF BACHELOR OF SCIENCE IN PHYSICS

Under my guidance during the academic year

2021-2022


H. O. D

PROF. N. B BAVISKAR SIR


INTERNAL EXAMINAR


PROJECT GUIDE

PROF. N. B BAVISKAR SIR


EXTERNAL EXAMINAR

Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon

Department of physics

J.D.M.V.P. Samaj's Arts , Science and Commerce college Jalgaon

Certificate

This is certify that project report entitled The study of clap
switch circuit by

Mr. Kulkarni Prathamesh Harishchandra As a part of fulfillment o
year degree of bachelor of science in Physics (2021-2022)



H.O.D

Prof N.B.B



Project guide

Prof



Internal

Examiner



External

Examiner

**J.D.M.V.P. SAMAJ'S ARTS, COMMARCE
AND
SCIENCE COLLAGE, JALGAON**
Department Of Physics

Affiliated to
North Maharashtra University, Jalgaon.

Year ~~2019-20~~ 2021-22

TY B.Sc Physics

A

Project Report On

"Use of Solar Energy for Home Appliances"

Submitted by Chaitali Vikas Mahajan
Under the guidance of Prof.N.B.BAVISKAR

J.D.M.V.P. SAMAJ'S ARTS, COMMARCE

AND

SCIENCE COLLAGE, JALGAON

Department Of Physics

Affiliated to

North Maharashtra University, Jalgaon.

CERTIFICATE

This is to certify that the work embodied in this project entitled, "Use Of Solar Energy For Home Appliances" has been carried out satisfactorily by **Chaitali Vikas Mahajan** under my guidance and supervision in the **Department of Physics**, Nutan Maratha college, jalgaon and that the project may be submitted for the award of **Degree of Bachelor of Science in Physics** for the academic year ~~2019-20~~ 2021-22


PROJECT GUIDE & H.O.D.

Prof.N.B.Baviskar


13/5/22 Examiner


13/5/22

J.D.M.V.P. Samaj's, Shri. S. S. Patil Art's, Shri. Bhausaheb T. T. Salunkhe Commerce and Shri. G. R. Pandit Science College, (Nutan Maratha College), Jalgaon

CERTIFICATE

“A Matter is classified into the four states”

PROJECT REPORT

Submitted by

Patil Akash Kiran

In Physics

BACHELOR OF SCIENCE

H.O.D.



PROF. N. B. BAVISKAR

For academic year 2021 – 2022

PROJECT GUIDE



PROF. K. B. PATIL



J.D.M.V.P.S.CO-OP .SAMAJ'S Arts,
Commerce & Science College, Jalgaon

CERTIFICATE

This is certify that project report entitled,

**"DESIGN AND CONSTRUCTION OF A
PYRAMID SHAPED SOLAR "**

Submitted by,

Mr. GAJANAN DHOLU PATIL

As part of fulfillment of third year
DEGREE OF BACHELOR OF SCIENCE IN PHYSICS

Under my guidance during the academic year

2021-2022



H. O. D

PROF. N. B BAVISKAR SIR



EXTERNAL EXAMINAR



PROJECT GUIDE

PROF. K. B. PATIL SIR



EXTERNAL EXAMINAR

**KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA
UNIVERSITY , JALGAON 2021-22**

**DEPARMENT OF PHYSICS
J.DM.V.P. SAMAJ'S ARTS , SCIENCE & COMMERSE COLLEGE,
JALGAON**

CERTIFICATE

**This is to certify that the Project Report entitled by
"RAIN SENSOR USING 555 IC"**

**Submitted by,
Mr. HEMANT RAJU PATIL
MS. PRADNYA ABBA SAPKALE**

**As a part of fulfilment of THIRD YEAR DEGREE of BACHELOR OF
SCIENCE IN PHYSICS in the academic year 2021-22**

**H.O.D.
(PROF.N.B.BAVISKAR)**

**PROJECT GUIDE
(PROF.K.B.PATIL)**

EXTERNAL

Internet

CERTIFICATE

THIS IS CERTIFY THAT DISSERTATION TITLED SOLAR POWERED LED STREET LIGHTING
SUBMITTED BY

Kavita Vijay patil

COMPLETED SUCCESSFULLY THE WORK ASSIGNED TO HIM AS A PART OF B.SC WITH PHYSICS IN OUR


J.D.M.V.P SAMAJ'S ART'S, SCIENCE AND COMMERCE COLLEGE JALGAON

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2021 - 2022


Prof.

R.B.deshmukh
Project Guide


Prof. Baviskar Sit

HEAD OF DEPARTMENT
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DEPARTMENT OF PHYSICS

J.D.M.V.P.CO-OP. SAMAJ'S Arts, Commerce,& science college.

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THIS IS TO CERTIFY THAT : MISS:- PATIL MOHINI
HIRALAL HAS SUCCESSFULLY COMPLETED THE PROJECT
WORK ENTITLED

REFRACTIVE INDICES OF DIFFERENT LIQUIDS.

IN THE PARTIAL FULFILMENT OF THE DEGREE IN

B.SC.PHYSICS

FOR THE SEASON OF 2021-22



Guide


H.O.D

Internal examiner


13/5/2022

External examiner

Internal
Exam 

J. D. M. V. P. S. GO-OP . SAMAJ'S Arts.

Commerce & Science College. Jalgaon

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This is certify that project report entitled.

"To. determine the surface tension by using
jaegar's method"

Submitted by.

Mr. Nilesh sudhir patil

As part of fulfillment of third year

DEGREE OF BACHELOR OF SCIENCE IN PHYSICS

Under my guidance during the academic year

2021-2022

H. O. D

PROF. N. B BAVISKAR SIR.

K. B. Patil
Project guide

Prof. K. B. patil sir

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REFRACTIVE INDICES OF DIFFERENT LIQUIDS.

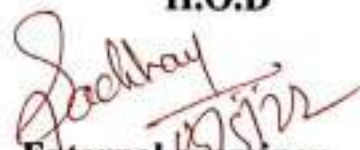
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B.SC.PHYSICS
FOR THE SEASON OF 2021-22


Guide


Internal examiner



H.O.D


External examiner

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THIS IS CERTIFY THAT DISSERTATION TITLED PIEZOELECTRIC GENERATOR
SUBMITTED BY


Punam jagdish salunkhe

COMPLETED SUCCESSFULLY THE WORK ASSIGNED TO HIM AS A PART OF B.SC WITH PHYSICS IN OUR

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2021 - 2022


Prof.

Baviskar sir

Project Guide


Prof. Baviskar Sir

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PHYSICS

INTERNAL EXAMINAR

EXTERNAL EXAMINAR

KAVYITRI BAHINABAI CHAUDHARY NORTH MAHARASHTRA
UNIVERSITY, JALGAON 2021-2022

DEPARTMENT OF PHYSICS

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This is to certify that the project report entitled by
"AUTOMATIC HAND SANITIZER"

Submitted by,

❖ Mr. AMAAN HAYDER ALI SHAIKH

Mr. SHUBHAM RAVINDRA PATIL

As a Part of fulfilment of THIRD YEAR DEGREE of BACHELOR OF
SCIENCE In PHYSICS in the Academic Year 2021-22

H.O.D

(PROF.N.B.Baviskar)

K.B.Patil
project Guide

(PROF.K.B.PATIL)

Shubham
EXTERNAL
16/5/2022

K.B.Patil

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THIS IS CERTIFY THAT DISERTATION TITLED ULTRASONIC INTERFEROMETER.

SUBMITTED BY

Divya gajanan sonawane

COMPLETED SUCCESSFULLY THE WORK ASSIGNED TO HIM AS A PART OF B.SC WITH PHYSICS IN OUR

J.D.M.V.P SAMAJ'S ART'S, SCIENCE AND COMMERCE COLLEGE JALGAON

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2021 - 2022



**Prof.
Baviskar sir
Project Guide**

INTERNAL EXAMINAR



**Prof. Baviskar Sir
HEAD OF DEPARTMENT
PHYSICS**

EXTERNAL EXAM

KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASTRA
UNIVERSITY, JALGAON 2021-22

DEPARTMENT OF PHYSICS

J.D.M.V.P.SAMAJ'S ARTS ,SCIENCE &
COMMERS COLLEGE, JALGAON

CERTIFICATE

This is certify that project report entitled
"THE STUDY OF SOLAR CELL POWERED LED HOUSE LIGHT"
Submitted by,
Mr.KALPESH SHAM TANDALE
As a part of fulfilment of third year DEGREE OF
BACHELOR OF SCIENCE IN PHYSICS Under my guidance the
academic year 2021-22



H.O.D

Prof.N.Baviskar



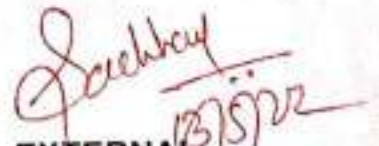
PROJECTGUID

Prof.R.B.Deshmukh



INTERNAL

EXAMINER



EXTERNAL

EXAMINER

Seat no: - 340922

J.D.M.V.P. SAMAJ'S, SHRI. S. S. PATIL ART'S, SHRI.
BHAUSAHEB T. T. SALUNKHE COMMERCE AND
SHRI. G.R.PANDIT SCIENCE COLLEGE, (NUTAN MARATHA
COLLEGE), JALGAON



A PROJECT REPORT ON
“STUDY OF HE-NE LASER”

SUBMITTED BY :

NAME : WANI PRANITA DNYANESHWAR

ROLL NO. : 11

PHYSICS DEPARTMENT

J.D.M.V.P'S NUTAN MARATHA COLLEGE, JALGAON

YEAR: 2021-2022

CERTIFICATE

Certificate of Apparel of project work.

This is to certify that

Miss. Wani Pranita Dnyaneshwar

Has satisfactorily completed the project entitle

"Study of He-Ne Laser"

For partial fulfilment of third year in Bachelor of Science under my guidance

During the academic year 2021-2022

Project Guide,

Vice Principle

Prof. R. B.Deshmukh

H.O.D,

Prof, Nitin Baviskar

Pranita Wani
19/5/2022
Kolata

xii

**J.D.M.V.P. Samaj's, Shri. S. S. Patil Art's, Shri.
Bhausahab T. T. Salunkhe Commerce and Shri.
G. R. Pandit Science College, (Nutan Maratha
College), Jalgaon**

CERTIFICATE

**“Generation of Power using Piezoelectric Effect”
PROJECT REPORT**

**Submitted by
Rishikesh Rajendra Yevale
In Physics
BACHELOR OF SCIENCE**

H.O.D.

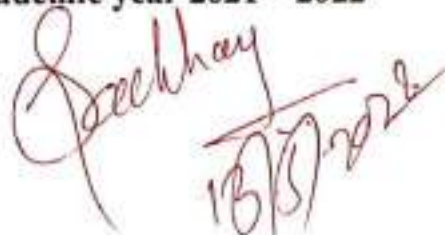
PROF. N. B. BAVISKAR

PROJECT GUIDE



PROF. K. B. PATIL

For academic year 2021 – 2022



SHRI.S.S.PATIL ARTS, SHRI. BHAUSAHEB T.T. SALUKHE
COMMERCE AND SHRI G.R.PANDIT SCIENCE COLLEGE,
JALGAON.



A PROJECT REPORT ON

IOT BASED SMART AGRICULTURE SYSTEM

Submitted in partial fulfillment of the requirement for the award of the degree

BACHELOR OF SCIENCE

In

ELECTRONICS

by

NAME :- DEVENDRA ADHAR BIRHADE

ROLL NO:- 196

SEAT NO:- 341137


SUBJECT :- ELE (609) project work 2

J.D.M.V.P.S ART'S, COMMERCE AND SCIENCE COLLEGE,
JALGAON

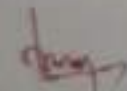


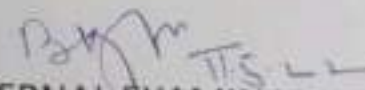
CERTIFICATE

Certified that the project work entitled IOT BASED SMART AGRICULTURE SYSTEM carried out by Mr. DEVENDRA ADHAR BIRHADE in partial fulfilled for the award of BACHELOR OF SCIENCE (ELECTRONICS) prescribed by J.D.M.V.P.S COLLEGE, JALGAON during the academic year of 2021-2022. It is suggested that all correction or suggestion indicated for internal assessment have been approved as it satisfies the academic requirement in respect of project work prescribe the said degree.


GUIDE BY

H.O.D. OF DEPARTMENT


INTERNAL EXAMINAR


EXTERNAL EXAMINAR

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1.1) ABSTRACT

Agriculture is the backbone of Indian economy. About half of the total population of our country has chosen agriculture as their chief occupation. The states like Maharashtra, Punjab, and Kerala, Assam are highly involved in agriculture. It all started due to the impact of, "Green Revolution" by means of which farmers came to know about the various techniques involved in farming and the advantages in it. As centuries passed, certain modern techniques were invented in agriculture due to the progress in science.

These modern techniques included the use of tractors for ploughing the field, production of pesticides, invention of tube-wells etc. Since water is the main necessity in this scenario, techniques were discovered which would help in watering the field easily, consume less water and reduce human efforts. These discoveries improved the standard of living of farmers. Agro-Technology is the process of applying the technology innovation occurring in daily life and applying that to the agriculture sector which improves the efficiency of the crop produced and also to develop a better Mechanical machine to help the agriculture field which reduces the amount and time of work spent on one crop.

Hence in this work of project we decided to design a better mechanical machine which is available to the farmers at a cheaper rate and also which can sow and seed the crop at the same time. This project consists of the better design of the machine which can be used specifically for sowing of soybean, maize, pigeon pea, Bengal gram, groundnut etc. For various agricultural implements and non-availability of sufficient farm labor, various models of seed sowing implements becoming popular in dry land regions of India. The success of crop production depends on timely seeding of these crops with reduced dull work of farm labor. The ultimate objective of seed planting using improve sowing equipment is to achieve precise seed distribution within the row.

**SHRI.S.S.PATIL ARTS, SHRI. BHAUSAHEB T.T. SALUKHE
COMMERCE AND SHRI G.R.PANDIT SCIENCE COLLEGE,
JALGAON**



A PROJECT REPORT ON

SPEED CONTROL OF DC MOTOR USING PULSE WIDTH MODULATION

Submitted in partial fulfillment of the requirement for the award of the degree BACHELOR OF SCIENCE

In

Electronics

by

NAME :- ROHIT YUVARAJ BORAS

ROLL NO:- 04

SEAT NO:- 341138


SUBJECT: ELE (609) PROJECT 2

J.D.M.V.P.S ART'S, COMMERCE AND SCIENCE COLLEGE,
JALGAON




CERTIFICATE

Certified that the project work entitled **SPEED CONTROL OF DC MOTOR USING PULSE WIDTH MODULATION** carried out by Mr. ROHIT YUVARAJ BORASE in partial fulfilled for the award of BACHELOR OF SCIENCE (ELECTRONICS) prescribed by J.D.M.V.P.S COLLEGE, JALGAON during the academic year of 2021-2022. It is suggested that all correction or suggestion indicated for internal assessment have been approved as it satisfies the academic requirement in respect of project work prescribe the said degree.


PROJECT GUIDE

H.O.D. ELECTRONICS


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**SHRI S. S. PATIL ARTS SHRI BHAUSAHEB
T. T. SALUNKHE COMMERCE AND SHRI G.
R. PANDIT SCIENCE COLLEGE JALGAON.**

A project report on

SOLAR POWERED LED STREET LIGHT.

Submitted in partial fulfilment of the requirement for the award of the degree

BACHELOR IN SCIENCE

IN ELECTRONICS.

By

- **Name : Koli Harshal Ishwar**
- **Roll no : 200**
- **Seat no : 341134**
- **Subject : Electronics**

J. D. M. V. P.'S ART'S , COMMERCE AND SCIENCE
COLLEGE , JALGAON.

CERTIFICATE

certified that the project work intitled SOLAR POWERED LED STREET LIGHT carried out by MR. HARSHAL ISHWAR KOLI in partial fulfilled for the award of BACHELOR OF SCIENCE (ELECTRONICS) prescribed by J. D. M. V. P. S COLLEGE JALGAON during the academic year of 2021-2022. It suggested that all correction or suggestion indicated for assessment have been approved as it satisfied the acadmic requirement in rspect of project work prescribe the said degree.

Aug 2022
INTERNAL EXAMINAR

11/5/22
EXTERNAL EXAMINAR

STUDENT'S INFORMATION

• Name :- Mr. Harshal Ishwar Koli

• College Name:- J.D.M.V.P. Samaj Art's,

Science and College Jalgaon

• Subject - Electronics - A project report on 'Solar Powered LED Street Lighting.

• Roll No. - 200

• Academic Year - 2021-22

ACKNOWLEDGEMENT

- For having introduction to this very interesting project, I am most grateful to my project guide Dr. S. A. Gaikwad I specially wish to thank Dr. S. A. Gaikwad of Electronics Department for providing me the permission to fully utilize the laboratories facilities during the term of project work.
- I am also grateful to the Dr. S. A. Gaikwad of Electronics Department for their valuable *guidance during the project work. I am also indebted to the non-teaching staff of the department for their help and co-operation in successfully completing the task.*
- Mr. Harshad Ishwar Koli
- J. D. M. V. P. SAMAJ'S ART'S, SCIENCE AND COMMERCE COLLEGE, JALGAON
- T. Y. Bsc (Electronics)
- Roll No: 266 (2021-2022)

A
PROJECT REPORT
ON
"I R BASE VISITOR COUNTER"
SUBMITTED BY
AKASH RAJENDRA NAGORI
FOR THE PARTIAL FULFILLMENT OF
DEGREE OF BACHELOR SCIENCE IN ELECTRONICS
EXAMINATION TO BR CONDUCTED BY
NORTH MARATHA UNIVERSITY JALGAON
DURING ACADEMIC YEARS
2021-2022

Examined
11/05/22

A

J.D.M.V.P.S ARTS SCIENCE AND COMMERCE

COLLEGE JALGAON

CERTIFICATE

THIS TO CERTIFY THAT PROJECT REPORT ENTITLED

IR BASE VISITOR COUNTER

SUMMITTED BY


Mr AKASH RAJENDRA NAGORI

AS PART OF FULFILLMENT OF THIRD YEAR

UNDER MY GUIDANCE THE ACADEMIC YEAR

2021-2022

H.O.D


PROJECT GUIDE

Palyan
11.5.22
(Ext. Exam)

VK583
THREE DIGIT COUNTER

This is a low cost basic 3-digit counter unit which can provide the basis for many application where a counter is required. Connection are provide to connect together two or more counts to make a six or nine digit unit. The display is a single unit LED multiplex display.

The kit is constructed on a single-sided printed circuit board (PCB). Protel Autotrax & Schematic were used to design the boards.

ASSEMBLY

It is generally best to add the components with the lowest height first (like resistor and jumper connection) for easy soldering. There are 8 jumper wire connections to put in. Use the wire cut from the leads of the passive components for this. Use the 6 wire harness & header connector to connect to the counter module described below. On the 3 digit display the decimal points show the correct orientation

The LED counter parts of the PCB has been constructed so that it may be cut off and located away from the main circuit board.

CIRCUIT DESCRIPTION

In general three or four digit counters can be made a number of ways. You can use a single 7492x 4 digit counter chip or a number of 4029 cmos single digit counters. Problems with the former are cost, while the latter required too many IC's and thus take up too much PCB space. The circuit used here is a compromise

between these two approaches.

Over the last few years a single micro-processor chip like the Atmel AT09S1200 can do away with all cmos IC's. See our Kits 129,141,148 and154 for such examples.

The circuit described in this kit uses two IC's. The 14553 is a 3-digit BCD(Binary Coded Decimal) counter. Inside the chip,each counter drives a 4-bit latch which quad 3-input multiplexer. The chip has Carry, Reset, an input clock and Latch Enable. The 1nF myler capacitor on pins 3 and 4 sets the multiplex scan rate to about 1 kHz.

The four outputs(Q0toQ3)are fed into the 14511 cmos 7-segment decoder driver. The outputs of this driver then go to the 3-digit multiplexed display unit. Each digit is turned on at the correct time via the display control outputs at pins 2,1and25 of the 14553. They are active low outputs. Each drives a BC 557 pnp transistors via a 4K7 resistor. The transistors in turn switch the common cathod of the digits in the display.

Log onto <http://www.onsemi.com/> to get the data sheets for the14511, 14553 and 14093 used in this kit

COUNTER MODULE FOR 3-DIGIT COUNTER

This counter module shows how to use 3 digit counter for low frequency counting connect the 6 wire harness to the bottom right of the main bord. Make sure to get the wire around the correct way. Solder the 6 pin header to the

counter module. The module has a COUNT and RESET push switch.

Two or three Kit 1's may be connected together to make 6 or 9 digit counter module. Extra 6 wire header/ harness sets will have to be purchased to do this. Or you can just use hookup wire directly. Connect from the bottom left 6 pin header to the bottom right of the next module.

CIRCUIT DESCRIPTION

The counter module is a typical debounce circuit. The resistance and capacitor provide a delay period during which the noise of the switch connection will notm register a 'count'. The hatkey switch used are very noisy switches but this debounce circuit take care of the problem for as fast as manual pressing will allow. Digital inputs from other sources may be routed through the board but the debounce circuit will have to be changed if the input frequency is higher than100 to150 Hz (cycles/ second.)

WHAT TO DO IF IT DOES NOT WORK

Poor soldering is the most likely reson that the circuit does not work. check all solder joints carefully under a good light. Next check that all components are in their correct position on the PCB. Do the keyswitches have their flat at the bottom as indicated on the PCB overlay? Is the 14093 in the correct way with pin 1 facing the 6 pin connector? Is the 6 pin connector in the correct way. Thirdly, follow the track with a voltmeter to check the potential differences at various parts on the circuit.

Home Automation Project Based on Arduino

A project report submitted in partial fulfilment of the requirements
for the degree of Bachelor of science (electronics) by

Sushil Sarjerao Patil

Roll No.-03

Seat No.-341141



Nutan Maratha College,

North Maharashtra

University Jalgaon

**SHRI S. S. PATIL ARTS SHRI BHAUSAHEB
T. T. SALUNKHE COMMERCE AND SHRI G.
R. PANDIT SCIENCE COLLEGE JALGAON.**

A project report on

WIRELESS DOORBELL WITH ARDUINO.

Submitted in partial fulfillment of the requirement for the award of the degree

BACHELOR IN SCIENCE

IN ELECTRONICS.

By

- **Name : Sushil Sarjerao Patil**
- **Roll no : 03**
- **Seat no : 341141**
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J. D. M. V. P.'S ART'S , COMMERCE AND SCIENCE
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certified that the project work intitled **HOMEAUTOMATION PROJECT BASED ON ARDUION** . carried out by **MR. SUSHIL SARJERAO PATIL** in partial fulfilled for the award of **BACHELOR OF SCIENCE (ELECTRONICS)** prescribed by J. D. M. V. P. S COLLEGE JALGAON during the academic year of 2021-2022. It suggested that all correction or suggestion indicated for assessment have been approved as it satisfied the acadmic requirement in rspect of project work prescribe the said degree.

11.5.22
INTERNAL EXAMINAR

11.5.22
EXTERNAL EXAMINAR

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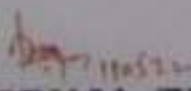
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INTERNAL EXAMINAR

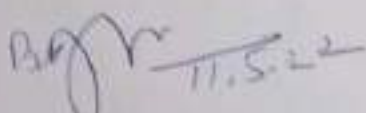

EXTERNAL EXAMINAR

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ABSTRACT

Doorbells are usual signaling devices used to alert the person inside the building to open the door as someone has arrived. Classic doorbells can be seen in every house now a days, which uses simple button and when that button is pressed the bell rings. The doorbell which we are going to make is different from that. We will make a doorbell which is automatic, i.e. it will detect someone in front of it and then it will ring. We will be using a very simple circuit to implement this project.

This project can be really beneficial because it's not always the case that a person can reach the doorbell, so it would be nice if it rings automatically after detecting the person.

Also, there is a flexibility that you can adjust the distance according to you by doing some changes in the code you are using to drive the doorbell. We will be using ultrasonic sensor to detect the person and then give the alert using a buzzer.

As we know that ultrasonic sensors are used for distance measurement without physical contact for small distances. So it's the best thing to use ultrasonic sensor for detecting object.

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A
RESEARCH PROJECT
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SHRI.BHAUSAHEB T.T.SALUNKHE COMMERCE AND
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NAAC ACREDITED "B+" GRADE



Entitled

“Preparation of Biodiesel from Transesterification of Waste
Cooking Oil with Methanol Using Novazyme Catalyst”

SUBMITTED

TO

K.B.C.NORTH MAHARASHTRA UNIVERSITY,
JALGAON

SUBMITTED BY

Mr.Rajendra B. Dhangar

Mr.Santosh G. Navej

Mr.Ujwal P. Pawar

Mr.Dattatray J. Chavan

Mr.Gopal R. Patil

UNDER THE GUIDENCE OF

Dr.Mrs.M.S.Patil

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Waste Cooking Oil with Methanol Using Novazyme
Catalyst”**

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**MASTER OF SCIENCE (Organic Chemistry) under the
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We hereby declare that the MSC Research Project entitled, "Preparation of Biodiesel from Transesterification of Waste Cooking Oil with Methanol Using Novazyme Catalyst" has been complete and written by us under the supervisor of Dr.S.P.Motethe Present work done not copied from any other project report submitted to university or examining body.

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Entitled

"Synthesis of Hymecromone (4-methyl 7-hydroxy
Coumarine) via Electrophilic aromatic substitution (EAS)."

SUBMITTED TO

**K.B.C.NORTH MAHARASHTRA UNIVERSITY,
JALGAON**

SUBMITTED BY

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Aniket D. Patil
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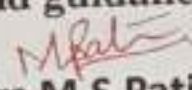
Akash R. Deore, shubham K. Chalase, chetan P. Patil, saurabh

M. Jadhav, Aniket D. Patil, Aniket S. Patil

In the partial fulfillment and requirement for the award of the
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NAAC ACREDITED "B+" GRADE



Entitled

“ Synthesis and Characterization of Conjugated Porous
Polymers and Their Composites Having Potential Applicability

SUBMITTED

TO

K.B.C.NORTH MAHARASHTRA UNIVERSITY,
JALGAON

SUBMITTED BY

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Mr. Kiran Ramakrishna Patil

Mr. Siddik Nisar Patel

Mr. Mahesh Pratap Chaudhari

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Mr. Tushar Ramesh Patil

Mr. Hemant Rajmal Suryawanshi

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This is certifying that project on Entitled
**Synthesis and Characterization of Conjugated Porous
Polymers and Their Composites Having Potential
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Has been submitted by

In the partial fulfilment and requirement for the award of the
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**MASTER OF SCIENCE (Organic Chemistry) under the
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Head of Department of Chemistry

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Chemistry Dept
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We hereby declare that the MSC Research Project entitled,
**Synthesis and Characterization of Conjugated Porous
Polymers and Their Composites Having Potential
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NAAC ACREDITED "B+" GRADE



Entitled

“ Synthesis of Carbonyl Derivative ”

SUBMITTED

TO

**K.B.C.NORTH MAHARASHTRA UNIVERSITY,
JALGAON**

SUBMITTED BY

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This is certifying that project on Entitled
“ Synthesis of Carbonyl Derivative ”

Has been submitted by
In the partial fulfilment and requirement for the award of the
degree of
MASTER OF SCIENCE (Organic Chemistry) under the
K.B.C. North Maharashtra University, Jalgaon is carried out
under our supervisor and guidance.

M.S. Patil
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Miss. Patil Tejaswini Pravin <u>Patil</u>	Mr. Patil Sarang Pandurang <u>Patil</u>
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ENTITLED

"SYNTHESIS OF DIFFERENT DERIVATIVE OF 2AMINO BENZOTHAZOLE"
SUBMITTED TO

K.B.C. NORTH MAHARASTRA UNIVERSITY,

JALGAON

SUBMITTED BY

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Mr.BHUSHAN SHIVAJI JADHAV

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Mr.SAMADHAN DNYANESHWAR PATIL

In the partial fulfilment and requirement for the award of the degree of
MASTER OF SCIENCE (Organic chemistry) under the K.B.C NORTH MAHARASHTRA UNVIERSITY ,
JALGAON carried out under the supervision and guidance


Dr. Mrs. M.S. Patil

Project in charge


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JALGAON-425001

DECLARATION

We here by declare that the M.SC. research project entitled "*SYNTHESIS OF DIFFERENT DERIVATIVE OF ZAMINO BENZOTHIAZOLE*" has completed and written by us under the supervision of Dr. M.S.patil the present work is not been copied from any other project report submitted to university or examining body

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