

12
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELGAVI-590018 KARNATAKA



Mini Project Report (18ECMP68)

ON

"AUTOMATIC WATER TAP CONTROL SYSTEM"

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

BACHELOR OF ENGINEERING

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by:

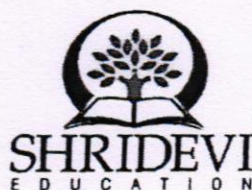
BHOOMIKA.D (USN: 1SV19EC006)

CHANDAN.M U (USN: 1SV19EC007)

Under the Guidance of:

Dr. UMESHA.G B.

Associate Professor, Dept of ECE.,SIET
Tumkuru

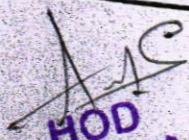


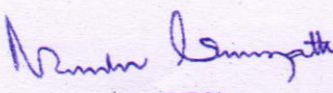
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Recognized by govt. of Karnataka, Affiliated to VTU, Belagavi and approved by AICTE, New Delhi)

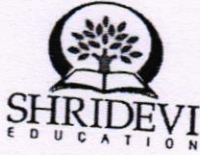
Sira Road, Tumkur-572106

2021-2022


HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET., TUMAKURU.

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Recognized by govt. of Karnataka, Affiliated to VTU, Belagavi and approved by AICTE, New Delhi)
Sira Road, Tumkur-572106, Karnataka
2021-2022



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Certificate

This is to Certified that the mini project work (18ECMP68) entitled "AUTOMATIC WATER TAP CONTROL SYSTEM" has been Successfully carried out by BHOOMIKA.D (ISV19EC006), CHANDAN.M U (ISV19EC007), a bonafide students of Shridevi Institute of Engineering and Technology, Tumkur-572106, in partial fulfillment for the award of Bachelor Of Engineering in Electronics & Communication Engineering of the Vishvesvarayya Technological University, Jnana Sangama, Belagavi -590018, during the academic year 2021-2022. It is certified that all corrections/suggestions indicated for internal assessments have been incorporated in the report. The mini project report has been approved as it satisfies the academic requirement with respect to the mini project work prescribed for the said Bachelor of Engineering degree.

Dr. Umesha .G B
Signature of the guide
27/1/22

Dr. Umesha .G B
Associate professor
Dept. of ECE., SIET
Tumakuru

Aijaz
Signature of the HOD
27/1/2022

Prof. Aijaz Ahamed Sharief
HOD
Dept. of ECE., SIET
Tumakuru

Narendra
Signature of the principal

Dr. Narendra Viswanath
Principal
SIET, Tumakuru

EXTERNAL VIVA

Name of examiners:

1. Raghavendra D
 2. [Signature]
- 28/1/2022

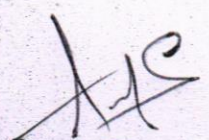
Signature with date:

[Signature] 28/1/2022

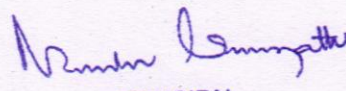
Narendra
PRINCIPAL
SIET., TUMAKURU

ABSTRACT

This research is a design and implementation of an automatic sensor water tap for hand washing. The work aimed to switch ON and OFF a water tap automatically without the need of turning it manually. It employs a Infrared (IR) Sensor which has a maximum sensitivity of about 3m. The sensor detects the presence of a user within its viewing range and responds by giving a high at its output. The automatic sensor water tap incorporates a microcontroller (PIC16F628A) which was programmed using the 'C' programming language and turns ON the tap automatically whenever the sensor senses the user's hand, and turns OFF when the hand is withdrawn.


HOD
Dept of E&C
SIET, Tumkur-6

...


PRINCIPAL
SIET., TUMAKURU.