



**HAND GESTURE CONTROLLED ROBOT USING ARDUNIO
A MINI PROJECT REPORT**

Submitted By

| | |
|--------------------|-----------------------|
| GOKUL S | (112819105001) |
| SANJAY M P | (112819105004) |
| NAWIN P | (112819105301) |
| SANTOSH K B | (112819105302) |

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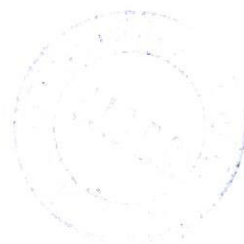
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ANNA UNIVERSITY: CHENNAI 600 025

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PRINCIPAL
T.J.S. ENGINEERING COLLEGE
Peruvoyal, Kavarapattai,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 206.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "HAND GESTURE CONTROLLED ROBOT USING ARDUINO" is the bonafide work of the following students.

GOKUL S (112819105001)

SANJAY M P (112819105004)

NAWIN P (112819105301)

SANTOSH K B (112819105302)

Who carried out the mini project work under my supervision.

Shunmuga
SIGNATURE

Mrs. M. SHUNMUGA SANKARI, M.E.,
Associate Professor

HEAD OF THE DEPARTMENT

Department of Electrical and
Electronics Engineering

T.J.S. Engineering College

Peruvoyal.

P. Panandha
SIGNATURE

Mr. PANANDHA PRAKASH, M.E.,
Assistant Professor

SUPERVISOR

Department of Electrical and
Electronics Engineering

T.J.S. Engineering College

Peruvoyal

Submitted for viva voce held on 21/06/22 at T.J.S. Engineering College, Peruvoyal.

[Signature]
INTERNAL EXAMINER

[Signature]
EXTERNAL EXAMINER



[Signature]
PRINCIPAL
T.J.S. ENGINEERING COLLEGE
Peruvoyal, Kharajpattai,
Chinnarasandi Taluk,
Thiruvallur Dist - 601 206.

ABSTRACT

This paper presents a Hand Gesture Controlled Robot using Arduino, which can be controlled by simple hand gesture. According to the movement of the person hand, the accelerometer start moves. It is based on axis of accelerometer and robot move in four direction forward, backward, left and right. For sensing Human motion, we use infrared sensor, it's range is 790mm wavelength from human body. This type of robot widely used in military application, industrial robotic, construction field. In such a field, it is very risky and complicated to handle the machines through switches or remote, sometimes operator may be confused so this new concept introduce to control the machine with the movement of hand which will simultaneously control the robot. Keywords: Arduino Technology, gesture, Accelerometer, Infrared sensor.



PRINCIPAL
T.S. ENGINEERING COLLEGE
Pettuvayal, Thiruvallur,
Thiruvallur Dist - 601 206.