



**DESIGN AND FABRICATION OF IOT
CONTROLLED WHEEL CHAIR**



MINI PROJECT REPORT

Submitted by

DEEPAK (710420114306)
THIRUVARASU.R
THIRUMURUGAN.M (710420114026)
SABARINATHAN.J (710420114023)

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING


CHRIST THE KING ENGINEERING COLLEGE

KARAMADAI, COIMBATORE-641 104

ANNA UNIVERSITY: CHENNAI -600 025

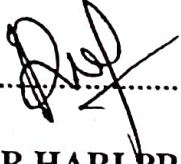
JUNE 2023




D.M. JEYAKUMAR, M.E. PH.D.
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chikkampalayam Village,
Karamadai Mettupalayam Taluk,
Coimbatore - 641 104.

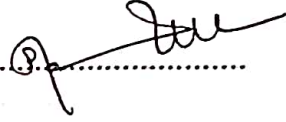
BONAFIDE CERTIFICATE

Certified that this project work titled "IOT CONTROLLED WHEEL CHAIR" is the bonafide work of DEEPAK THIRUVARASU .R (710420114306), THIRU MURUGAN.M (710420114026) and SABARINATHAN.J (710420114023), who carried out the project work under our supervision.



Mr. R.HARI PRASATH, M.E.,
HEAD OF THE DEPARTMENT

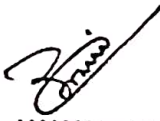
Department of Mechanical
Engineering
Christ the King Engineering College,
Karamadai, Coimbatore- 641 104



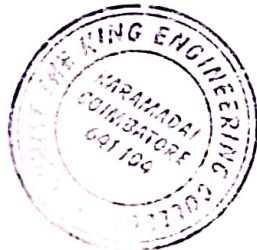
Mr. S.PRABHU, M.E
SUPERVISOR


Assistant professor
Department of Mechanical
Engineering
Christ the King Engineering
College, Karamadai,
Coimbatore- 641 104

Submitted for the project viva-voce held on 02/06/2023



Internal Examiner




Dr. M. JEYAKUMAR, M.E., Ph.D
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chikkarsampalavan Village,
Karamadai, Metturpetayam Taluk,
Coimbatore - 641 104.

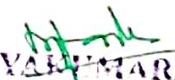


External Examiner

ABSTRACT

The main objective of IOT CONTROLLED WHEEL CHAIR SYSTEM project is recommended to control a wheel chair by using WIFI recognition module. The system is designed to control a wheel chair using the mobile phone. The objective of this project is to fascinate the movement of people who are disable or handicapped and elderly people who are not able to move well. The goal of this system will allow certain people to live a life with less dependence on others for their movement as a daily need. Smart phone application technology is a key technology which will provide a new way of human interaction with machine or tools. This can be realized and optimized with use the smart phone device as an intermediary or interface. This project uses arduino kit Microcontroller circuit and DC motors to create the movement wheelchair.



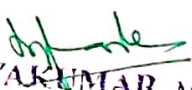

Dr.M.JEYAKANTHAR, M.E., Ph.D.
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chukkarampalayam village,
Karamadal, Mettupatayam Taluk,
Coimbatore - 641 104.

CHAPTER- X

CONCLUSION

- The project carried out by us will make an impressive task in hospital and home application & etc.,
- This project has also reduced the cost involved in the concern. The project has been designed to perform the required task taking minimum time.
- It is capable of controlling wheelchair motion for disabled using hand gesture.
- The system successfully implemented to move the wheelchair left, right, forward, backward or stay in same position.




Dr. M. JEYAKUMAR, M.E., Ph.D.
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chikkarampalayam Village,
Karamadai, Metturpalayam Taluk,
Coimbatore - 641 104.