AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER-422608

A

PROJECT REPORT

ON

"ROBOTIC CAR CONTROL USING ANDROID APPLICATION"

Submitted by,

1) Mr. AMBRE PRANAV B.

2) Mr. BHADKE SHUBHAM V.

3) Mr. GADE ABHISHEK B.

4) Ms. MANDLIK SMITA B.

Guided by,

Prof. R.N. DEOKAR

Year: 2022-23

Department of Electronics & Telecommunication Engineering

Amrutvahini College of Engineering, Sangamner

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER-422608

CERTIFICATE

This is to certify that the Project entitled

"ROBOTIC CAR CONTROL USING ANDROID APPLICATION"

has satisfactorily completed by,

1) Mr. AMBRE PRANAV B.
2) Mr. BHADKE SHUBHAM V.
3) Mr. GADE ABHISHEK B.
4) Ms. MANDLIK SMITA B.

As per requirement of Savitribai Phule Pune University in partial fulfillment of degree in Electronics &Telecommunication engineering for the second semester of academic year 2022 - 2023.

Prof. R.N.DEOKAR	**Dr. S. R. JONDHALE**	**Dr. R. P. LABADE**
(Project Guide)	**(Project Coordinator)**	**(HOD)**

Dr. M. A. VENKATESH
(Principal)

SAVITRIBAI PHULE PUNE UNIVERSITY

CERTIFICATE

This is to certify that,

NAME	SEAT NO.
1) Mr. AMBRE PRANAV B.	B190103004
2) Mr. BHADKE SHUBHAM V.	B190103009
3) Mr. GADE ABHISHEK B.	B190103017
4) Ms. MANDLIK SMITA B.	B190103044

Students of B.E. Electronics & Telecommunication Engineering were examined in the Project Stage II term work entitled

"ROBOTIC CAR CONTROL USING ANDROID APPLICATION"

Internal Examiner **External Examiner**

Department of Electronics & Telecommunication Engineering

Amrutvahini College of Engineering, Sangamner

ACKNOWLEDGEMENT

First, we would like to express our best regards to our Project Guide Prof. Ms.R.N. DEOKAR whose valuable guidance, encouragement, and provision of necessary facilities made this work possible. We are also thankful to our respected Head of the Department Dr. Ms. R. P. LABADE whose help and shared knowledge was the main support to do our project. We are also thankful to project coordinator Dr. S. R. Jondhale for his continuous support. Many thanks are owed to our classmates for their useful discussion and timely suggestions. Their technical support and encouragement helped us to finalize our project.

Our special thanks to who helped us a lot through the problems we came across. We are absolutely grateful to all non-teaching staff for their assistance which is key factor behind our project work. We would also like to express our gratitude towards the college for providing us with the best facilities and proper environment to work on our project. Last but not the least thanks to our respected Principal Dr. M. A. VENKATESH for continuous motivation.

Finally we offer our great thanks and regards to our family for their support which helped us through the difficulty and hardships of life to earn this achievement. Ultimately we would like to devote all praise and honors to supreme personality ‘God’ for grace and inspiration.

1) Mr. PRANAV AMBRE [B190103004]
2) Mr. SHUBHAM BHADKE [B190103009]
3) Mr. ABHISHEK GADE [B190103017]
4) Ms. SMITA MANDLIK [B190103044]

ABSTRACT

Now day’s we seen that the human being want’s the easier life and every time peoples trying to search the several types of result to break the any problems. Sometimes we're uses the machines that will reduce the sweats as well as needed time. So for that we're enforcing a prototype of a robotic vehicle which is Electric vehicle. According to the report the tradition vehicle contributes the 20- 30% of air pollution. Electric vehicle is eco-friendly. Our proposed system works by using a Wi- Fi module for entering the Wi- Fi command being transferred by the driver. The system apply in this study uses DC motor to move the robotic vehicle to the applicable direction using Wi- Fi commands. This robotic car is solving the major problems which is occurs in traditional vehicles like packing, driving. It has capability to smell the terrain and decide the navigation path without any mortal input. So that, probability of accident is reduces. As we're controlling this robotic car using the android Smart- phone also the handicap people’s can drive this car.

LIST OF FIGURES

LIST OF TABLE

CONTENTS