



Dr B R Ambedkar National Institute of Technology, Jalandhar

CERTIFICATE

We hereby certify that the work which is being presented in this report entitled, “**SELF DRIVING VEHICLE**” in partial fulfillment of the requirement for the award of Degree of Bachelor of Technology (Electronics and Communication Engineering) submitted in the Department of Electronics and Communication Engineering of Dr B R Ambedkar National Institute of Technology, Jalandhar is a record of our work carried out during 2016-17 under the supervision of Dr ASHISH RAMAN.

The matter presented in this report has not been submitted in part or full to any other University or Institute for the award of any Degree.

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ACKNOWLEDGEMENT

We express our deep sense of gratitude to our guide Dr. ASHISH RAMAN for their valuable help and guidance. We are thankful to them for the encouragement they have given us in completing our project.

We are also grateful to respected Dr. B S SAINI (HOD - ECE) for permitting us to use necessary facilities of institution. We are also thankful to other faculty and staff members of our department for their kind co-operation and help.

Lastly, we would like to express our deep appreciation towards our classmates and our indebtedness to our parents for providing us the moral support and encouragement.

ABSTRACT

- Now-a-days the number of vehicles on the road are increasing rapidly leading to large number of accidents. Most of these accidents occur due to human errors like distracted (texting, phone calls) and aggressive (drunk and drive, over speeding) driving. Therefore to bring down the accident count and ensure safety of passengers we have to decrease human involvement and automate the process of driving. This can be achieved by designing an autonomous vehicles.
- This project report describes designing a prototype of self- driving vehicle which can navigate using image processing on raspberry pi minicomputer. The two main tasks of our model car is to detect and navigate through lanes and avoid obstacles.

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