

Vehicle Driving Assistant

Akanksha Dwivedi, MT2016006, Anoop Toffy, MT2016016,, Athul Suresh, MT2016030,
and Tarini Chandrashekhar, MT2016144

Abstract—Autonomous vehicles has been a common term in our day to day life with car manufacturers like Tesla shipping cars that are SAE Level 3. While these vehicles include a slew of features such as parking assistance and cruise control, they’ve mostly been tailored to foreign roads. Potholes, and the abundance of them, is something that is unique to our Indian roads. We believe that successful detection of potholes from visual images can be applied in a variety of scenarios. Moreover, the sheer variety in the color, shape and size of potholes makes this problem an apt candidate to be solved using modern machine learning techniques.

Index Terms—Image processing, Machine Learning, Pot hole detection, Clustering



Akanksha Dwivedi Biography text here.

I. INTRODUCTION

The project aims to provide a comprehensive set of assistance features to aid the driver (or autonomous vehicle) to drive safely. This includes a number of indicators about the environment, the major cue being detection of potholes in the road ahead.

Anoop Toffy Biography text here.

II. RELATED WORK

III. PROPOSED WORK

IV. METHODOLOGY

V. CONCLUSION

The conclusion goes here.

APPENDIX A

PROOF OF THE FIRST ZONKLAR EQUATION

Appendix one text goes here.

Athul Suresh Biography text here.

APPENDIX B

Appendix two text goes here.

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The authors would like to thank...

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- [2] Ajit Danti, Jyoti Y. Kulkarni, and P. S. Hiremath, Member, IACSIT *An Image Processing Approach to Detect Lanes, Pot Holes and Recognize Road Signs in Indian Roads*, December 2012 <http://www.ijmo.org/papers/204-S3015.pdf>

Tarini Chandrashekhar Biography text here.