



ROAD MONITORING SYSTEM USING MACHINE LEARNING

INTRODUCTION

An Embedded system-based project is proposed to identify potholes using some of the Machine Learning techniques. The project will be able to detect potholes using images captured by a camera connected to the Raspberry Pi. The information that captures the image will be communicated to the cloud storage for further actions. This project holds immense worth in the improvement of the road infrastructure by providing smart solutions for the potholes detection to road development authorities.

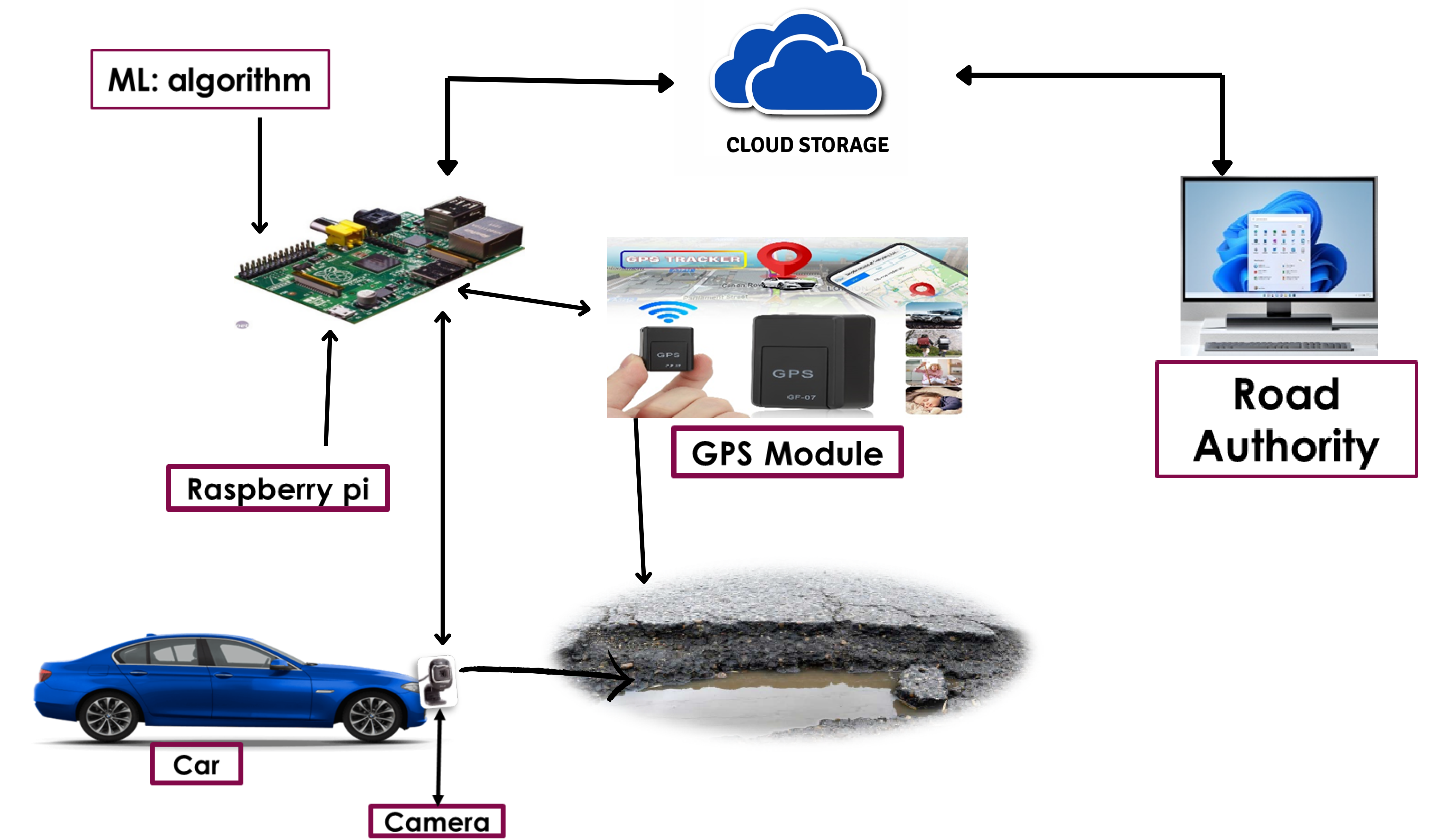
BENEFITS

- 1.Improvement of the road infrastructure using smart detection solutions.
- 2.Support the road development authorities in terms of data collection about potholes

OBJECTIVES

- 1.To identify potholes with the least human effort
- 2.To submit potholes information to a cloud storage
- 3.To visualize potholes data

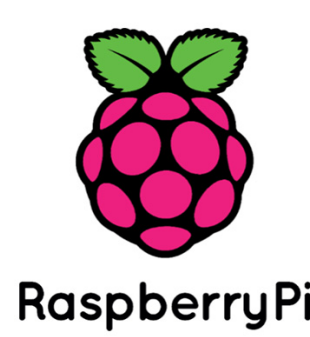
WORK FLOW



TOOLS



Hardware



Group members

Muhammad Ali (P180089)
Ali Ajmal (P180041)

SUPERVISOR

Mr. Usama Musharaf