

# Design and Development of Pothole Detection and Cement Dispensing Robot

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**Abstract:** *A road network is a way of transporting, sharing and transporting goods and services locally to the community. Road networks are also the means of communication in some parts of the world. Therefore, access to good roads improves the quality of life and work of the people living in the community. But the poor condition of the design and development of the road network coupled with natural disasters such as heavy rains have caused many unwanted potholes and abrasions on the roads which are very dangerous for commuters and other road users and for road users. In addition, the lack of a proper road maintenance program has resulted in a steady increase in the number of potholes that endanger transport and road safety. Meanwhile road maintenance works are heavily dependent on actual acquisition and reporting.*

**Keywords:** Pothole Detection, Cement Dispensing, Road Maintenance, Transportation.

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